

MEDICAL EQUIPMENT

CATALOGUE

"Empowering healthcare worldwide with reliable and high-quality medical equipment."



Royal International | Alis Pro

Royal International is a reputed **Manufacturer and Exporter** of premium-quality **Surgical Instruments** and **Complete Hospital Setup Solutions**, based in **Jalandhar, Punjab**, India—one of the world's recognized hubs for surgical instrument manufacturing.

Under our brand **ALIS PRO**, we design, manufacture, and supply a wide range of reliable, durable, and precision-engineered medical products that meet the evolving needs of the global healthcare industry. Quality, safety, and performance are the core principles that guide everything we do.

In addition to surgical instruments, **Royal International** offers **end-to-end hospital setup solutions under one roof**, including:

- Surgical Instruments
- Hospital Furniture
- ICU & OT Equipment
- Anesthesia and Critical Care Equipment
- Medical Devices and Accessories

Our manufacturing processes follow strict quality control systems and international standards, supported by advanced technology and skilled professionals. Every product is carefully inspected to ensure consistent quality, functionality, and long service life.

We believe in building long-term relationships with our clients by delivering **on-time service, dependable quality, competitive pricing, and responsive customer support**.

Whether it is a clinic, nursing home, or a large multi-specialty hospital, we approach every project with the same level of commitment and professionalism.

Today, **Royal International** and **ALIS PRO** stand for **trust, innovation, and excellence in healthcare solutions**, serving customers across domestic and international markets. Our mission is to support global healthcare systems with reliable products and to contribute to better patient care worldwide.

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"EXPERIENCE HEALTHCARE EXCELLENCE – LIVE AT OUR SHOWROOM."



VISIT OUR SHOWROOM!!

ALIS PRO

7 PARA PATIENT MONITOR

MONITOR



Feature

- 12.1" high-resolution color TFT display with real-time waveforms
- Heart rate range 30–300 bpm with accurate SpO₂ measurement (0–100%)
- NIBP measurement for Adult, Pediatric & Neonatal modes (Auto/Manual/STAT)
- Audio-visual alarms with adjustable high & low safety limits
- Compact bedside design with AC power supply and built-in battery backup

Standard Configuration:

- ECG, SpO₂, NIBP, respiration, temperature, ETCO₂, and cardiac output

Option Configuration:

- IBP, EtCO₂, Temperature, Touch Screen, Printer & Central Monitoring (optional)

Packaging

- Dimensions – 310(L) x 167(W) x 268(H) mm
- Net Weight: 3.9kg

8

Model number
AL-PM7

ALIS PRO

5 PARA PATIENT MONITOR

MONITOR



Feature

- 12.1 inch. high resolution color TFT LCD Screen.
- Thinner and lighter design, convenient and portable for user. pace-maker detection.
- Freeze instant waveform for real time S-T segment analysis,
- Real time S-T segment analysis, pace-maker detection.
- 3-level audio/visual alarming.
- Efficient resistance to interference of defibrillator and HF knife.
- Lasting working capacity with built-in rechargeable lithium battery.
- 400 groups of NIBP list, 6000 seconds ECG waveform recall. 60 alarm events record recall, 7-day trend chart in storage.
- Wire/wireless central monitoring system applicable to ICU/CCU/OR

Standard Configuration:

- SpO2, PR/HR, NIBP, ECG, RESP, 2-TEMP.

Option Configuration:

- ETCO2, 2-IBP, Nellcor SpO2, Thermal Printer, Touch Screen.

Packaging

- Weight - 1.50kg
- dimension - 27x29x39cm

9

Model number
AL-PM5

CONTEC

5 PARA PATIENT MONITOR

MONITOR



Feature

- Display Size - 12.1 Inch
- Measuring Parameters - ECG
- Type of display - TFT
- Resolution - 1RPM
- Material - PP
- Real time S-T segment analysis, pace-maker detection.
- Indication of Incorrect manipulation and malfunction analysis.
- Patient info input management function
- Multi-lead ECG waveforms display in phase.
- Large volume of tabular and graphic trends information storage and easy to recall.
- Capture dynamic waveforms.
- Efficient resistance to interference of defibrillator and HF knife.
- UP to 2 hours working capacity of built-in rechargeable battery.
- Unique accessory management cabinet.
- Networking capacity.

Standard Configuration:

- ECG, SpO2, NIBP, Temperature, Respiration

Packaging

- Dimensions - 235(L) x 141(W) x 222(H) mm
- Weight - 2.5 Kg

10

Model number

CMS6000

CONTEC

5 PARA PATIENT MONITOR

MONITOR



Feature

- Suitable for adult, pediatric and neonatal patients
- 12.1" TFT color LCD
- Parameters: ECG, NIBP, SpO2, Pulse Rate, Respiration, Temperature and IBP (upgradable)
- Maximum 8-channel waveform synchronous display
- Graphic and tabular trends for 96 hours for all formats
- Multi-screen format
- Powerful data management and storage capacity, 500 NIBP measurement data can be storage and recall
- AC/DC, built-in rechargeable lithium battery achieves uninterrupted monitoring
- Visual and Audio alarms, adjustable.
- Measurement Mode: Manual/Auto/Stat

Standard Configuration:

ECG, NIBP, Respiration, SpO2, Pulse Rate, Temperature

Packaging

- Dimensions - 310(L) x 167(W) x 268(H) mm
- Net Weight: 3.9kg

11

Model number
CMS8000

YONKER

5 PARA PATIENT MONITOR

MONITOR



12

Feature

- 12.1" high-resolution TFT color display.
- Supports multiple display modes: OxyCRG, trend chart, big-character, and standard view.
- Real-time display of multiple waveforms and parameters simultaneously.
- Quiet and energy-efficient operation.
- USB interface for data export and software updates.
- Visual and audible alarms with configurable limits.
- Compact, lightweight design for portability.
- Suitable for adult, pediatric, and neonatal monitoring.

Standard Configuration:

ECG, SpO2, NIBP, PR, TEMP, RESP

Packaging

- Dimensions - 340(L) * 245(W) * 134(H) mm
- Net Weight: Approx. 2.8 kg

Model number
YK8000C

YONKER

5 PARA PATIENT MONITOR

MONITOR



13

Feature

- 12.1" large colour TFT display for clear waveforms
- Supports Adult, Pediatric & Neonatal monitoring
- Built-in Li-ion battery for transport use 96 hours of trend data storage
- Optional EtCO₂ and IBP modules for advanced setups
- CE & ISO-certified, robust and reliable
- Multi-parameter monitoring with future-proof expansion

Standard Configuration:

ECG, SpO₂, NIBP, TEMP, RESP

Packaging

- Dimensions - 370(L) * 162(W) * 350(H) mm
- Net Weight: Approx. 5 kg

Model number
YK8000B

ALIS PRO

5 PARA NEONATAL PROBE



14

Feature

- Cable Color - Grey
- Cable Material - PVC
- Category - SpO2
- Connector Distal - 6 Pin Double Slot Redel Connector
- Connector Proximal - Neonatal Wrap
- Latex-free - Yes
- Patient Size - Neonatal
- SpO2 Technology - Nellcor
- Sterile - No

Packaging

- Packaging Type - Pouch
- Packaging Unit - 1
- Cable Diameter - 4mm
- Total Cable Length - 3Mtr

Model number

AL-NP5

ALIS PRO

5 PARA ET_{CO}2 MODULE



15

Feature

- CO₂ Measurement Range: 0 to 150 mmHg
- CO₂ Measurement Accuracy: 0~40 mmHg: ±2mmHg
- 41~70 mmHg: ±5% of reading
- 71~100 mmHg: ±8% of reading
- 101~150 mmHg: ±10% of reading
- Respiratory monitoring range: 2rpm~150rpm, accuracy: ±1rpm
- Working voltage: DC 5.0V
- Continuously measure CO₂ concentration in gas, and calculate End-tidal CO₂(EtCO₂), Inspired Minimum CO₂(InsCO₂), AirWay Respiration Rate(AwRR).
- Elegant in appearance, and clear in labelling.
- Simple operation, safe and effective, which meets the requirements of relative standards.

Packaging

- Dimension:103mm(L)×69mm(W)×39mm(H)
- Net weight: 141g

Model number
AL-CO₂

ALIS PRO

5 PARA STAND

**Feature**

- Product Type: Wall Mounted Medical Monitor Arm
- Mounting: Wall Mounted (Vertical Rail System)
- Material: High-grade Aluminum Alloy & Mild Steel
- Finish: Powder Coated / Anodized (Medical Grade, Anti-Corrosive)
- Color: White / Off-White
- Load Capacity: Up to 10–15 kg
- Arm Movement:
 - Vertical Height Adjustment
 - Tilt Adjustment
 - Swivel / Rotation
- Adjustment Mechanism: Manual Lock with Knob Control
- Rail Type: Aluminum Vertical Wall Rail
- Rail Length: Approx. 400–600 mm (customizable)

Utility Basket Specifications:

- Basket Type: Wire Utility Basket
- Material: Mild Steel Wire
- Finish: White Powder Coated
- Mounting: Fixed to Wall Rail
- Load Capacity (Basket): Up to 5 kg

ALIS PRO

3 PARA PATIENT MONITOR

MONITOR



17

Feature

- Compact and flexible appearance.
- Simple and convenient operation, suitable for community medical treatment and family use.
- 4.3-inch color TFT display with high-brightness LED display.
- Adjustable visual and audible alarms.
- Built-in rechargeable lithium battery for uninterrupted monitoring.
- Monitoring
- NIBP , SpO₂ , Temperature

Technical Specification

- Measuring Range: 0~100 %
- Resolution: 1%
- Accuracy: 70%~100% (±2%)
- Pulse Rate: 20-250 BPM
- Resolution: 1 BPM
- Accuracy: ±3 BPM
- Temperature probe

Packing:

- Single package size: 35* 25* 26cm
- Single gross weight 3KG

Standard Accessories:

- Main Unit - 1
- Adult SpO₂ probe - 1
- Adult NIBP cuff - 1
- NIBP extension tube - 1
- Temperature probe - 1
- Power Cable - 1

Model number

AL-PM3

CONTEC 3 PARA PATIENT MONITOR

MONITOR



OR



18

Feature

- Compact and flexible appearance
- Simple and convenient operation, which is applicable for community medical treatment and family ect.
- 4.3 inch color TFT display and highlight LED display
- Adjustable audible and visual alarms
- Built-in rechargeable lithium battery for uninterrupted monitoring

Technical Specification

- Measuring Range: 0~100%
- Resolution: 1%
- Accuracy: 70%~100% ($\pm 2\%$)
- Pulse Rate: 20~250
- BPM Resolution: 1 BPM
- Accuracy: ± 3 BPM

Standard Accessories:

- Main Unit - 1
- Adult SpO2 probe - 1
- Adult NIBP cuff - 1
- NIBP extension tube - 1
- Power Cable - 1

Packing:

- Single package size: 35 *25 *26cm
- Single gross weight: 3 KG

Model number

CMS5100

ALIS PRO

3 PARA NEONATAL PROBE



19

Feature

- Cable Color - Grey
- Cable Material - PVC
- Category - SpO2
- Connector Distal - 9 Pin Connector
- Connector Proximal - Neonatal Wrap
- Latex-free - Yes
- Patient Size - Neonatal
- SpO2 Technology - Nellcor
- Sterile - No

Packaging

- Packaging Type - Pouch
- Packaging Unit - 1
- Cable Diameter - 4mm
- Total Cable Length - 3Mtr

Model number

AL-NP3

ALIS PRO

3 PARA STAND



Feature

- **Product Type:** Wall Mounted Monitor / Equipment Stand
- **Mounting Style:** Wall mounted with vertical support arm
- **Material:** Heavy-duty Mild Steel (MS)
- **Finish:** Epoxy powder-coated (White)
- **Shelf Type:** Flat rectangular mounting plate with ventilation holes
- **Load Capacity:** Up to 10–15 kg
- **Mount Compatibility:** Suitable for patient monitors, small medical devices, accessories
- **Plate Design:** Pre-drilled universal mounting holes
- **Wall Plate:** Square wall-fixing plate with multiple anchor points
- **Height Adjustment:** Fixed (custom height available on request)
- **Stability:** Rigid construction with reinforced support arm
- **Corrosion Resistance:** Yes (powder coating)
- **Application Areas:** ICU, CCU, OT, Emergency Room, Patient Ward
- **Installation:** Wall-mounted using anchor fasteners
- **Maintenance:** Easy to clean and disinfect
- **Color:** White
- **Length:** 30 cm
- **Width:** 30 cm
- **Height:** 19 cm
- **Weight:** 3 kg

20

Model number
AL-MS3

ALIS PRO SYRINGE PUMP



SYRINGE PUMP

Feature

- The melting rate setting range is 1-1500ml/h;
- 0.1-100ml/h minimum step is 0.1,
- 101-1500 ml/h minimum step 1
- 5ml/10ml/20ml/30ml/50ml (60ml) four specification syringe
- 50ml (60ml) four specification syringe
- When using a 5ml syringe, the rate setting range should be (0.1-150)ml/h;
- When using a 10ml syringe, the rate setting range should be (0.1-300)ml/h;
- When using a 20ml syringe, the rate setting range should be (0.1-600)ml/h;
- When using a 30ml syringe, the rate setting range should be (0.1-900)ml/h;
- When using a 50ml syringe, the rate setting range should be (0.1-1500)ml/h;
- 0.1 ml-9999ml
- 1min - 99:59min
- No more than + 2%
- Speed infusion mode, speed + time infusion mode, speed + volume infusion mode
- Not less than 8h
- 2.5ml/h
- 3.8" Touch Display

Packaging

- Dimensions (W x D x H) - 24.8x15.15x9.7cm
- Weight - 1.5 kg

21

Model number
AL-SP01

CONTEC SYRINGE PUMP

SYRINGE PUMP



Feature

- Injection rate and total volume can be set by users.
- High priority alarms: occlusion, syringe out, motor abnormality, no syringe installed, battery exhaustion, enter KVO, pressure failure, etc.
- General alarms: near completion, low battery, and standby prompt.
- With bolus injection function, convenient for supplying temporary and rapid medication.
- Automatically enters KVO mode after the injection is completed.
- Built-in rechargeable battery automatically switches to battery power when mains power is interrupted and automatically charges when power is restored.
- 2.8" LCD display.
- Audible, visible, and text alarm prompt functions.
- System parameters and syringe type settings are password protected to prevent unauthorized changes.
- Disposable syringes meeting national standards can be used, and accuracy can be ensured by adjusting parameters.

Packaging

- Dimension: 305(L) * 132(W) * 114(H) mm
- Weight: 1.7 Kg

Performance

• Syringe Specification:

10 ml / 20 ml / 30 ml / 50 ml syringes meeting national standards

• Injection Rate:

10 ml syringe: 0.1 ml/h – 200 ml/h
 20 ml syringe: 0.1 ml/h – 400 ml/h
 30 ml syringe: 0.1 ml/h – 600 ml/h
 50 ml syringe: 0.1 ml/h – 1200 ml/h

• Bolus Rate:

10 ml syringe: 200 ml/h
 20 ml syringe: 400 ml/h
 30 ml syringe: 600 ml/h
 50 ml syringe: 1200 ml/h

• Accumulated Volume: 0 ml – 9999 ml

• Injection Accuracy: ±3%

• Occlusion Alarm Pressure Range:

Low: 40 kPa (±16 kPa)
 Medium: 70 kPa (±30 kPa)
 High: 100 kPa (±35 kPa)
 KVO Rate: 0.1 ml/h

• Classification:

Class II, Type BF applied part, internally powered equipment

• Alarm Functions:

Occlusion, syringe out, motor abnormality, pressure failure, enter KVO, battery exhaustion, no syringe installed, near completion, low battery, standby prompt

22

Model number
SP-950

BYOND SYRINGE PUMP

SYRINGE PUMP



Feature

- HD LCD Display, high capacity words, friendly user interface, dynamically display working status;
- Audible and visual alarm for occlusion, empty, near empty, low battery, end of infusion, syringe loose, wrong setting, etc.;
- Compatible with 5ml, 10ml, 20ml, 30ml, 50/60ml syringe of any brands;
- Preset solution volume to greatly reduce the workload of nurses;
- Three working modes: Rate mode, Time Volume mode, Dosage Weight mode;
- Three levels of occlusion: high, medium and low;
- Purge and Bolus function;
- KVO (keep-vein-open) automatically opens as injection is completed, KVO rate is 1-5ml/h(0.1ml/h step);
- Freely Stackable: freely stack one syringe pump onto another to provide multiple solutions, which have a wide range of clinical applications;
- Power Source: AC100—240V, 50/60Hz; Internal Battery, DC12V car charge;
- One-key operation makes setup easy and simple;
- Syringe plunger grabble detector, operable with one hand in a No-Germ Environment;
- Automatically record the settings of last injection

Packaging

- Dimension: 280mm (L), 210mm(W),130mm(H)
- Weight: 2.2kg (net weight)

Performance

• Unique Human Voice Alarm system

The device triggered the human voice prompt and stop injection automatically when there is any malfunction, making the infusion process safer and more reliable.

• Rate:

50/60ml Syringe: 0.1ml/h ~ 999.9ml/h (0.1ml/h step)

1,000ml/h ~ 1,500ml/h (1ml/h step)

30ml Syringe: 0.1ml/h ~ 900.0ml/h (0.1ml/h step)

20ml Syringe: 0.1ml/h ~ 600.0ml/h (0.1ml/h step)

10ml Syringe: 0.1ml/h ~ 300.0ml/h (0.1ml/h step)

• Bolus Rate:

50/60ml Syringe: 1,200ml/h

30 ml Syringe: 720ml/h

20 ml Syringe: 480ml/h

10 ml Syringe: 240ml/h

• Volume Limit - 0.1ml ~ 9999.9ml (0.1ml step)

• Total Injection Volume - 0.1ml ~ 9999.9ml (0.1ml step)

• Occlusion of Single Channel Syringe Pump

High: 800mmHg +/-200mmHg (106.7kPa +/-26.7kPa)

Medium: 50/600mmHg +/-100mmHg (66.7kPa +/-13.3kPa)

Low: 300mmHg +/-100mmHg (40.7kPa +/-13.3kPa)

• KVO rate: 1ml/h

• Alarm:

Injection soon finish, end of injection, occlusion, improperly installation of syringe, wrong setting, low battery, syringe loose etc.

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Model number

BYZ-810

ALIS PRO INFUSION PUMP

INFUSION PUMP



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Feature

- 4.3-inch color touch screen for easy operation and clear visibility
- Compact and lightweight design for easy carrying and mounting
- User-friendly interface with audible and visual alarm system
- Built-in lithium battery providing approximately 5 hours of working time after full charge
- Multiple infusion modes to meet different clinical infusion requirements
- Advanced pressure detection technology

Performance

- **Applicable Infusion Set:**
Various brands of infusion set, single-use, 20 drops/ml infusion set diameter: 3.4–4.5 mm
- **Infusion Modes:**
ml/h (default): Flow rate & volume mode
Flow rate & time mode
Flow rate mode
d/min: Drip & volume mode
Drip & time mode
Drip mode
- **Flow Rate Range:**
0.1–1500 ml/h
0.1–100 ml/h, increment 0.1 ml/h
101–1500 ml/h, increment 1 ml/h
- **Infusion Dripping Speed:**
20–40 ml/h, infusion set: 1–500 d/min
Infusion Accuracy: ±5%

- **Volume to Be Infused (VTBI):**

0.1–9999 ml
0.1–999.9 ml, increment 0.1 ml/h
1000–9999 ml, increment 1 ml/h
Purge Rate: 1000 ml/h
KVO Rate: 2.5 ml/h

- **Occlusion Pressure:**

19 kPa, 38 kPa, 57 kPa, 76 kPa, 95 kPa, 114 kPa, 133 kPa (default: 95 kPa)

- **Air Bubble Detection:**

Smallest detectable air bubble size: 50 µl

- **Power Supply:**

AC power supply: 100–240 V, 50/60 Hz
External DC power supply: 7.4 V

- **Battery:**

Internal rechargeable lithium battery, 1800 mAh

- **Storage Environment:**

Temperature: -10°C to +55°C
Humidity: ≤80%
Screen: 4.3-inch LCD touch screen

Packing:

- Dimensions: 200 mm × 155.5 mm × 97 mm
- Weight - 2 kg 500 g

Model number
AL-IP01

ALIS PRO INFUSION PUMP

INFUSION PUMP



25

Performance

- **Compatible Infusion Sets:** Various brand infusion sets, disposable (20 drops/mL); Infusion set diameter: 3.4–4.5 mm
- **Infusion Modes:** Time mode, Rate mode, Drop mode
- **Infusion Rate Setting Range:** 0.10 mL/h to 1200 mL/h (adjustable in 0.1 mL/h increments) Pre-set Volume Range: 0.1–10000 mL (adjustable in 0.1 mL increments) Infusion Time Setting Range: 00:00:01–99:59:59 (adjustable in 1-second increments)
- **Bolus Rate:** 1200 mL/h
- **Priming Rate:** 1200 mL/h
- **Purge Rate:** 1200 mL/h
- **KVO Rate:** 0.5 mL/h, 1 mL/h, 2 mL/h, 3 mL/h, 4 mL/h, 5 mL/h, or OFF
- **Occlusion Pressure:** 60 kPa, 70 kPa, 80 kPa, 90 kPa, 100 kPa, 110 kPa, 120 kPa, 130 kPa
- **Bubble Detection:** Minimum detectable bubble volume: 50 µL, 100 µL, 250 µL, 500 µL, 800 µL
- **Power Supply:** AC: 100–240 V, 50/60 Hz; DC: 7.4 V (external)
- **Battery:** Built-in rechargeable lithium-ion battery (1800 mAh)
- **Battery Operating Time:** 5 hours (at 100 mL/h infusion rate with a new battery)

Feature

- 2.8-inch color screen
- Compact and lightweight design for easy portability and installation
- User-friendly interface with audible and visual alarm systems
- Built-in lithium battery providing approximately 5 hours of operation when fully charged
- Multiple infusion modes to meet various infusion needs
- Advanced pressure detection technology

Packing:

- Dimensions: 128×112.5×183.5 mm
- Weight - 2 kg

Model number
AL-IP11

CONTEC INFUSION PUMP

INFUSION PUMP



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Feature

- Flow control with high accuracy ensures optimum therapeutic effect.
- Be compatible with most standard IV Sets.
- New IV set provided by the user can be calibrated by suppliers, and infusion parameters can be input into the pump, which ensures accuracy.
- 3.5" TFT-LCD & Operate with keys.
- Residual infusion time can be displayed during infusing.
- With reminder function for starting the infusion.
- Alarm for occlusion, air bubble, door open and motor failure, etc.
- Threshold for air bubbles and pressure alarms can be adjusted by medical personnel.
- Accompanying IV-set clamp prevents liquid from flowing freely when the pump door opens accidentally.
- A.B.S—ANTI BOLUS system prevents instantaneous high-dose injection from the sudden obstruction disappearing.
- Stop infusing automatically during alarms (except for "NEAR END", "KVO", and "LOW BATTERY" alarms).
- Alarm volume can be adjusted.
- Compact aluminum enclosures and robust construction.
- Infusion pump can be mounted on an infusion pole in many directions by the versatile bracket.

Performance

- Type: volumetric infusion pump
- Infusion rate: 1-699ml/h, increment: 1ml/h
- Total volume: 1-9999ml/h, increment: 1ml/h
- Accuracy: $\pm 5\%$ (use the IV set calibrated)
- KVO rate: 1-5ml/h (it can be adjusted by professional medical personnel)
- Display information: flow rate, total volume, accumulated infusion volume, residual time
- Alarm functions: near end, KVO state, low battery, no power, pressure failure, door failure, air bubble, door open, occlusion, infusion reminder, communication failure and motor failure.
- Air bubble detector: ultrasonic
- Sensitivity for air bubble detector: 0.01~0.14ml (it can be adjusted by professional medical personnel)
- Sensitivity for pressure sensor: 1-7 grades (it can be adjusted by professional medical personnel)
- Safety classification: class I, type BF applied part
- Waterproof degree: IPX1
- Working mode: continuous working
- Power supply: AC: 100~240V, 50/60Hz or DC: 12V
- Rechargeable Li-polymer battery, 7.4 V/3500mAh

Model number
SP750

Packing:

- Dimensions: 197 mm(L)×145 mm(W)×135 mm(H)
- Weight - 2 kg

BYOND INFUSION PUMP

INFUSION PUMP



27

Performance

- **Rate:** 1 ml/h ~ 1,200 ml/h
- **Flow Rate Accuracy:** Within $\pm 5\%$ (after correct calibration)
- **Mechanical Precision:** Within $\pm 2\%$
- **Purge Rate:** 100 ml/h ~ 1,000 ml/h (100 ml/h step)
- **Infusion Volume:** 1 ml ~ 9,999 ml
- **Total Infusion Volume:** 0.1 ml ~ 9,999.9 ml
- **KVO Rate:** 1 ml/h ~ 5 ml/h (1 ml/h step)
- **Occlusion:** High: 800 mmHg ± 200 mmHg (106.7 kPa ± 26.7 kPa) Medium: 500 mmHg ± 100 mmHg (66.7 kPa ± 13.3 kPa) Low: 300 mmHg ± 100 mmHg (40.7 kPa ± 13.3 kPa)
- **Unique Audible and Visible Alarm:** Human voice alarm for end of injection, occlusion, door open, bubbles in the tube, wrong setting, low battery, AC power pulled out, etc.

Power Source:

AC 100V ~ 240V, 50/60Hz

Internal rechargeable Li battery, capacity ≥ 1600 mAh

Internal battery backup

Bubble Detector:

Ultrasonic wave detector

Detection sensitivity ≥ 25 μ l

• **Fuse:** FIAL / 250V, 2 pcs inside

• **Power Consumption:** 18 VA

Operating Condition:

Ambient temperature: $+5^{\circ}\text{C} \sim +40^{\circ}\text{C}$

Relative humidity: 20 ~ 90%

Atmospheric pressure: 86.0 kPa ~ 106.0 kPa

Transport & Storage Condition:

Ambient temperature: $-30^{\circ}\text{C} \sim +55^{\circ}\text{C}$

Relative humidity: $\leq 95\%$

• **Equipment Classification:** Class II, internal power supply, Type CF

• **IP Classification:** IPX4

Packing:

- Dimensions: 40mm (L) x 157mm (W) x 220mm (H)
- Weight - 1.8kg (net weight)

Feature

- HD LCD Display, high capacity words, friendly user interface, dynamically display working status;
- Audible and visual alarm for occlusion, empty, low battery, end of infusion, door open, wrong setting, etc., which gain patents;
- Compatible with any brands of infusion sets after correct calibration;
- Preset solution volume to greatly reduce the workload of nurses;
- Work mode: ml/h and drop/min can switch freely;
- Three levels of occlusion: high, middle, and low;
- Purge function;
- KVO (keep-vein-open) automatically opens as the infusion is completed, KVO rate is 1-5ml/h (1ml/h step);
- Power Source: AC100-240V, 50/60Hz; Internal Battery;
- Automatically record the settings of the last infusion;

Model number

BYS-820

ALIS PRO

3 CHANNEL ECG MACHINE

ECG



28

Feature

- 7 inch high resolution color touch screen
- 12-Lead simultaneous acquisition and display
- ECG automatic measurement and interpretation function
- Complete digital filters, resisting baseline drift, AC and EMG interference
- Compact and lightweight
- Support USB flash disk and micro SD card to extend memory
- Software upgrade via USB / SD card
- Built-in rechargeable Li-ion battery
- Lead: Standard 12 leads
- Acquisition Mode: Simultaneous 12-leads acquisition
- Measurement Range: ± 5 mVpp
- Input Circuit: Floating protection circuit against defibrillator effect
- Input Impedance: ≥ 50 M Ω
- Input Circuit Current: < 0.05 μ A
- Record Mode:

Automatic: 3CH = 4 + 1R, 3CH \times 4, 3CH \times 2 + 2CH \times 3 + 1R, 6CH \times 2

Manual: 3CH, 2CH, 3CH + 1R, 2CH + 1R

Rhythm: Any lead selectable

- Filter:

EMG Filter: 25 Hz / 30 Hz / 40 Hz / 75 Hz / 100 Hz / 150 Hz

DFT Filter: 0.05 Hz / 0.15 Hz

- CMRR: 100 dB

Packing:

- Dimensions: 260 x 210 x 45 (mm)
- Weight - 2.6 Kg

Model number

AL-300G

ALIS PRO

6 CHANNEL ECG MACHINE

ECG



29

Feature

- 7 inch high resolution color touch screen
- 12-Lead simultaneous acquisition and display
- ECG automatic measurement and interpretation function
- Complete digital filters, resisting baseline drift, AC and EMG interference
- Compact and lightweight design
- Support USB flash disk and micro SD card to extend memory
- Software upgrade via USB / SD card
- Built-in rechargeable Li-ion battery
- Lead: Standard 12 leads
- Acquisition Mode: Simultaneous 12-leads acquisition
- Measurement Range: ± 5 mVpp
- Input Circuit: Floating protection circuit against defibrillator effect
- Input Impedance: ≥ 50 M Ω
- Input Circuit Current: < 0.05 μ A
- Record Mode:

Automatic: 3CH = 4 + 1R, 3CH \times 3, 3CH \times 2 + 2CH \times 3 + 1R, 6CH \times 2

Manual: 3CH, 2CH, 3CH + 1R, 2CH + 1R

Rhythm: Any lead selectable

- Filter:

EMG Filter: 25 Hz / 30 Hz / 40 Hz / 75 Hz / 100 Hz / 150 Hz

DFT Filter: 0.05 Hz / 0.15 Hz

Packing:

- Dimensions: 260 x 210 x 45 (mm)
- Weight - 3 Kg

Model number

AL-600G

ALIS PRO

12 CHANNEL ECG MACHINE

ECG



30

Feature

- 7 inch high resolution color touch screen
- Full alphanumeric keyboard with shortcut keys, efficient in operation
- Simultaneous 12-lead ECG acquisition and display
- Automatic ECG measurements and interpretation
- Internal storage up to 1000 cases, convenient for case review and statistics
- Built-in rechargeable high-capacity lithium battery
- ECG data can be transmitted to PC via USB
- ECG reports can be saved and opened on PC via ECG playback software
- Lead: Standard 12 leads
- Acquisition Mode: Simultaneous 12-leads acquisition
- Sampling Rate: 1000 Hz
- A/D Converter: 24 bits
- Frequency Response: 0.05 ~ 160 Hz (-3 dB)
- Operation Mode: Manual, Auto, Rhythm, 1 channel 1 minute
- Filter:

AC Filter: 50 Hz / 60 Hz

EMG Filter: 25 Hz / 35 Hz / 45 Hz / 75 Hz / 100 Hz / 150 Hz

DFT Filter: 0.05 Hz / 0.5 Hz

Packing:

- Dimensions: 430 x 200 x 420 mm
- Weight - 2600 g

Model number
AL-1200G

CONTEC

3 CHANNEL ECG MACHINE

ECG



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Feature

- Safety: Type Class I, Type CF applied part, which has defibrillation-proof
- Applied part
- Lead Standard 12 leads
- Input way: Floating and defibrillation protection
- Patient leak current $<10\mu A$
- Sampling rate 1000Hz
- A/D conversion 12bit
- Frequency response 0.05Hz~150Hz (-3dB, + 0.4dB)
- CMRR $>60dB$, $>100dB$ (Add filter)
- Enduring polarization voltage $\pm 300mV$
- Noise level $\leq 15\mu Vp-p$
- EMG interference filter 25/35Hz (-3dB)
- AC filter 50/60Hz ($\geq 20dB$)
- Recording way Thermal printing system(32spots/mm)
- Recording paper 80mm(W)× 20m(L)
- Sensitivity 5mm/mV 10mm/mV 20mm/mV 40mm/mV Auto
- Auto-record: 25mm/s, 50mm/s
- Rhythm record: 25mm/s, 50mm/s
- Manual-record: 5mm/s, 6.25mm/s, 10mm/s, 12.5mm/s, 25mm/s, 50mm/s

Packing:

- Dimensions: 31.5 x 21.5 x 7.7 cm
- Weight - 2.0 kg

Model number
CMS-300G

CONTEC 6 CHANNEL ECG MACHINE

ECG



32

Feature

- 7 inch TFT touch screen with LED backlight
- Digital isolation technology and signal processing solution with digital filters
- Built-in rechargeable lithium battery with wide thermal printing system
- Memory: built-in memory or mini SD memory card, stores more than 1000 records
- Auto-measurement, auto-analysis, and auto-interpretation
- Lead: Standard 12 leads
- Patient Leak Current: $<10 \mu\text{A}$
- Input Impedance: $\geq 50 \text{ M}\Omega$
- Frequency Response: 0.05 ~ 150 Hz (-3 dB)
- Time Constant: 3.2 s
- CMRR: 100 dB
- Sensitivity Choice: 5 mm/mV, 10 mm/mV, 20 mm/mV
- Measurement Parameters:
HR, P-R interval, P duration,
QRS duration, Q-T interval, Q-Tc,
P axis, QRS axis, T axis,
R(V5), S(V1), R(V5) + S(V1)
- Product Safety Type: Class I, CF, defibrillation pacing protection
- Enduring Polarization Voltage: $\pm 300 \text{ mV}$
- Noise Level: $<15 \mu\text{Vp-p}$

Packing:

- Dimensions: 130 mm (L) × 74 mm (W) × 25 mm (H)
- Weight - 2.3 kg

Model number
CMS-600G

CONTEC

12 CHANNEL ECG MACHINE

ECG



33

Feature

- Input Way: Floating and defibrillation protection
- Lead: Standard 12 leads
- Patient Leak Current: $<10 \mu\text{A}$
- Input Impedance: $\geq 50 \text{ M}\Omega$
- Frequency Response: 0.05 Hz ~ 150 Hz (-3 dB ~ +0.4 dB)
- Time Constant: $\geq 3.2 \text{ s}$
- CMRR: 60 dB, $>100 \text{ dB}$ (adding filter)
- EMG Interference Filter: 25 Hz / 35 Hz (-3 dB)
- Recording Way: Thermal printing system
- Sensitivity Selections:

2.5, 5, 10, 20, 40 mm/mV, error $\pm 5\%$

Standard sensitivity: 10 mm/mV $\pm 0.2 \text{ mm/mV}$

- Auto Record: Record setup according to auto record format and mode, automatically changing leads, measuring, and analysing
- Rhythm Record: Record setup according to rhythm record format and mode, automatically measuring and analysing
- Manual Record: Record setup according to manual record format, manually changing leads
- Measurement Parameters:

HR, P-R interval, P duration, QRS duration, Q-T interval, Q-Tc,

P axis, QRS axis, T axis, R(V5), S(V1), R(V5) + S(V1)

- Product Safety Type: Class I CF applied part; defibrillation and pacing protection circuit included
- Enduring Polarization Voltage: $\pm 500 \text{ mV}$
- Noise Level: $\leq 15 \mu\text{Vp-p}$
- Power Supply / Frequency:

AC: 100-240 V, 50/60 Hz

DC: 14.8 V, 3700 mAh rechargeable lithium battery

Packing:

- Dimensions: 334 mm (L) \times 320 mm (W) \times 85 mm (H)
- Weight - 4.0 kg

Model number

CMS-1200G

ALIS PRO

AUTOMATED EXTERNAL DEFIBRILLATOR (AED)

DEFIBRILLATOR



34

Feature

- Output: Biphasic Truncated Exponential
- Energy Sequence: 150 J, 150 J, 200 J
- Charge Time:
8 seconds to 150 J
10 seconds to 200 J (new battery)
- Analysis Time: 9 seconds
- Audible Prompts: 22 audible prompts
- Visual Prompts: LED prompts with automatic self-test
- Controls: Two buttons – On/Off and Shock
- Output Energy Accuracy: $\pm 15\%$ into any impedance from 25 Ω to 175 Ω
- Maximum Voltage: 1200 V ± 50 V
- Output disabled when patient impedance is outside limits: 20 Ω ~ 200 Ω
- Maximum time from initiation of rhythm analysis to readiness for discharge (new battery): Less than 20 seconds
- Maximum time from initiation of rhythm analysis to readiness for discharge after 6 shocks: Less than 25 seconds
- Maximum time from initial power ON to readiness for discharge: Less than 30 seconds
- Part No.: CR123A $\times 4 \times 2$
- Non-rechargeable Battery Capacity: 2.8 Ah
- Capacity: 100 discharges at 200 Joules or 120 discharges at 150 Joules
- Shelf Life(25°C+15C) : 7 Years standby (after installation)
- Operating Temperature : 0 C to 40 C
- Operating Humidity : Relative humidity between 30% and 95% (non-condensing)
- Storage Temperature : -20 C to 55 C
- Storage Humidity : upto 93% (non-condensing)

Packing:

- Dimensions: 280×209×80mm
- Weight - 2.5kg

Model number

AL-AED1

M&B AUTOMATED EXTERNAL DEFIBRILLATOR (AED)



35

Feature

- Output: Biphasic truncated exponential
- Energy Sequence: 150 J, 150 J, 200 J
- Charge Time:
 - 8 seconds to 150 J
 - 10 seconds to 200 J (new battery)
- Analysis Time: 9 seconds
- Maximum Time from Rhythm Analysis to Readiness for Discharge:
 - Less than 20 seconds (with new battery)
 - Less than 25 seconds (after 6 shocks)
- Maximum Time from Power ON to Readiness for Discharge: Less than 25 seconds
- Audible Prompts: 22 audible prompts
- Visual Prompts: LED prompts
- Controls: Two buttons – On/Off, Shock
- Output Energy Accuracy: $\pm 15\%$ into any impedance from 25 Ω to 175 Ω
- Maximum Voltage: 1200 V ± 50 V
- Output Disabled When Patient Impedance Is Outside Limits: 20 Ω to 200 Ω
- Part No.: CR123A $\times 4 \times 2$
- Non-Rechargeable Capacity: 2.8 Ah
- Capacity: 100 discharges at 200 Joules or 120 discharges at 150 Joules
- Shelf Life (25°C $\pm 15^\circ\text{C}$): 5 years standby (after installation)
- Operating Temperature: 0°C to 40°C
- Operating Humidity: Relative humidity between 30% and 95% (non-condensing)
- Storage Temperature (Without Battery): -20°C to 55°C
- Storage Humidity (Without Battery): Up to 93% (non-condensing)

Packing:

- Dimensions: 303 \times 216 \times 89 mm
- Weight - 2.0 kg

Model number

AL-AED7000

ALIS PRO

BIPHASIC DEFIBRILLATOR (YELLOW)

DEFIBRILLATOR



36

Feature

- Channel - 2 Channel
- Electrode - 3 / 5 Leads
- ECG Acquisition - Patient Cable and Paddles
- Display - 2 Waveforms with HR and pulses selected
- Lead - Lead I, II, III, aVR, aVL, aVF, V
- Gain Selection - 5 / 10 / 15 / 20 mm/mV
- Sweep Speed - 12.5, 25 or 50 mm/sec
- Heart Rate Range - 30-240 bpm
- Heart Rate Accuracy ± 2 bpm
- Frequency Response - 0.05 to 40 Hz
- CMRR - 100 dB
- Input Impedance - 100 M Ohms
- High Resolution thermal array recorder
- Printing Speed - 25 mm/sec
- Printer Paper Size - 57 mm \times 20 Mtr.
- Details on Print

HR, ECG w/f along with energy delivery,
Date, Time, Patient Details
(ID, name, age, sex), Joules selected,
Sweep speed and Gain

- Color TFT display

- Size - 7" Diagonally
- Resolution - 800 \times 480 Pixels
- Power Input - AC 230V, 50 Hz
- Battery Rating - 14.8 V / 4400 mAh, Li-Polymer
- Charging Time - 8 Hours
- Operating Time - 40-50 shocks (270 joules) or more than 3 hours monitoring without printing
- Working Temperature and Humidity 0-40 deg. cel. & up to 90% non-condensing

Packing:

- Dimensions: 403 (L) \times 152 (H) \times 324 (W) mm
- Weight - 5.4 Kg

Model number

AL-BD5

ALIS PRO

BIPHASIC DEFIBRILLATOR DELUX (BLUE)

DEFIBRILLATOR



37

Feature

- Display: 7" Colour TFT
- Display Area: 150 mm × 90 mm
- Unit ON-OFF: By front panel keyboard, Encoder
- Operation: User adjustable high & low limit, Audible and visual alarming
- Alarm: 24 hrs Graphical and Tabular trend of ECG, SpO₂, NIBP, EtCO₂
- Charge Discharge Control: Charge and Shock button on front panel and paddles

Defib (External Paddles)

- Operating Mode: Manual
- Waveform: Biphasic Truncated Exponential
- Energy: 2 to 200 Joules in 12 steps selection
- Energy Display: Display selected and charged/delivered energy
- Synchronous Cardio Version: Energy delivery begins within 60 ms of the QRS Peak
- Charging Time: 6 seconds on Mains
- Paddle Assembly: External paddle assembly with coil retractable high voltage cable, Adults & Pediatric paddle integrated to same handle
- Check Mode: Manual check mode
- Patient Impedance Range: 35 ohm to 250 ohm
- Shock Delivery: Through paddles or pads

Printer

- Paper Type: Thermal paper 50/55 mm width, 20 meters length for 2" printer
- Event Printing: Prints 5 seconds pre & post ECG with Date, Time, Energy and Mode, Shock Status
- ECG in Defib Mode: Prints last 10 sec ECG through paddle & Time, Date, Mode, Lead name, Gain, Sweep speed
- ECG in Monitor Mode: Prints Annotations in Monitor Mode
- Manual Defib Check Mode: Prints the status of shock, Energy, Date and Time

Packing:

- Dimensions: H 280 × W 330 × D 220 mm (Max)
- Weight - Approx. 6.5 Kgs

ECG

- Frequency Response: 0.5 Hz to 35 Hz
- Patient Isolation: Optical isolation
- Lead Selection: Lead I, II and III
- Gain Setting: 0.5, 1.0 and 2.0
- CMRR: > 90 dB
- Sweep Speed: 12.5, 25, 50 mm/sec
- Digital Filter: Digital signal processing for good quality ECG
- ECG Traces Viewing: 4 seconds ECG traces can be viewed

Environmental

- Operating Temp: -5°C to +50°C
- Humidity: Up to 95% non-condensing

AED Mode

- Wave Form: Biphasic truncated exponential
- AED Shock Series: Energy level 200 J
- Charge Command: Automatic after identifying shockable rhythm
- Shock Command: Front panel button, shock
- Controls: Analyze
- Defibrillation Electrode: Self adhesive adult pads
- Voice and Text Prompts: Extensive text and audible messages to guide user

Model number

AL-BD10

ALIS PRO

FETAL MONITOR

FETAL MONITOR



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Feature

- 10" LED backlight touchscreen with 60° folding angle
- 1 MHz digital pulse transducer with 12-chip high sensitivity
- Twins monitoring capability (optional)
- DSP technology for signal processing
- FHR upper/lower limit alarms for real-time alerts
- Built-in high-resolution thermal printer
- Automatic diagnosis with reforming Fischer score
- Doctor event marking & integrated expert dictionary
- 1200 hours of data and waveform storage
- Bluetooth and wireless connectivity options
- Compatible with central monitoring systems
- 6 print modes with 112 mm printing width

FHR

- Ultrasound Frequency: 1.0–3.0 MHz (option)
- FHR Range: 30–240 bpm
- Ultrasound Intensity: < 5 mW/cm²
- Resolution: 1 bpm
- Accuracy: ±1 bpm

TOCO

- Range: 0–100%
- Resolution: 1%

Fetal Movement

- Manual fetal movement mark

Power Supply

- AC 220 V ±20%, 50 Hz

Packing:

- Dimensions: 45x45x45 inch
- Weight - 5 kg

Model number

AL-FM8

CONTEC FETAL MONITOR

FETAL MONITOR



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Performance

• Safety

Type of protection against electric shock: Class I
 Degree of protection against electric shock: Type B applied part
 Working Voltage: AC 100 V~240 V
 Frequency: 50 Hz/60 Hz
 P < 60 VA
 Fuse: T1.6AL250V

• Print

Record paper: Z-fold paper
 Print width: 112 mm
 Valid print width: 104 mm
 Paper speed: 1 cm/min, 2 cm/min, 3 cm/min (optional)

• Network interface: RJ 45

• Ultrasound probe

Nominal Frequency: 1.0 MHz
 Work Frequency: 1.0 MHz \pm 10%
 Negative peak sound pressure: p. < 1 MPa
 Output beam intensity: I_{so} < 20 mW/cm²
 The peak time space peak intensity: I_{sp} < 100 mW/cm²
 The average time space peak intensity: I_{sata} < 10 mW/cm²

• FHR

Range: 50 BPM ~ 240 BPM
 Resolution: 1 BPM
 Accuracy: \pm 2 BPM

• TOCO

Range: 0 ~ 100%
 Resolution: 1%
 Nonlinear error: $\leq \pm$ 10%
 RZ way: manual

• Fetal Marking

Manual button

Feature

- Compact design; it can be placed horizontally or hung on the wall.
- Color LCD, 60° convertible screen.
- Displays monitoring curves and data clearly.
- Area mark for normal FHR (120 BPM-160 BPM).
- Manual record for fetal movement.
- Sound and color reminders for high and low fetal heart rate.
- Real-time monitoring for continuous 24 hours.
- Storage, playback, and printing of monitoring curves for continuous 12 hours.
- Optional interface languages: Chinese and English.
- Optional twins monitoring.
- 9-crystal and broadband beam transducer.
- Extra long-life, high-resolution built-in thermal printer.
- Communication with central monitoring system via built-in RJ45.

Packing:

- Dimension: 320 mm (L) x 260 mm (W) x 80 mm(H)
- Weight: 3 Kg

Model number

CMS-800G

BISTOS FETAL MONITOR

FETAL MONITOR



40

Functional Characteristics

• FHR

Method: Pulsed Doppler (Twin)
 Detection Technique: Autocorrelation
 Ultrasound Frequency: 0.985 MHz
 FHR Range: 30 ~ 240 / 50 ~ 210 bpm $\pm 2\%$
 Ultrasound Intensity: 10 mW/cm² or less
 FHR Resolution: 1 bpm

• FM: Auto Twin Detection

• Display

Channel: 3 (FHR 1, FHR 2, UC)

Type:

- 7" TFT Color LCD (L)
- 7 segment LED (E)

• Printer

Paper Type: Z-fold, 150 mm (W), 13.5 m (Length)
 Printer Type: Thermal Array
 Print Speed: 1, 2, 3 cm/min, 10 cm/min (Trend)
 Paper Feeding: Auto

• Set-up

Alarm: Upper / Lower Limit
 Print: Speed, Contrast
 Time & Date

• PC Interface

Wire (RS232C): S/W: BCM-350
 Wireless (Bluetooth/WiFi): S/W: BCM-350

• UC (TOCO)

Frequency Response: DC ~ 0.5 Hz
 Measurement Range: 0 ~ 100 Units
 External Type
 Reference/Zero Control
 Sound:
 • Doppler Sound
 • Alarm Sound
 • Information Sound (Exceed HR limit, Probe Disconnection, Door Open, No Paper, Low Battery)

• Function

Auto Print: Off, 10, 20, 30, 40, 50, 60 min
 FHR 2 Offset
 Zoom-in
 FM Graph Print
 Event Mark
 Auto FHR Trend Interpretation
 CCV (Cross Channel Verification)
 Multi-language (L)
 Quick Guide (L)
 Power On Self Test (L)
 Patient Name & ID (L)

• Environmental Conditions

Operating Temperature: 10 ~ 40°C (50 ~ 104°F)
 Operating Humidity: 5 ~ 85% non-condensing
 Storage Temperature: -20 ~ 60°C (-4 ~ 140°F)
 Storage Humidity: 0 ~ 95% non-condensing

Packing:

- Packing: 405 (W) × 360 (D) × 240 (H) mm
- Weight: Packing: 5.9 kg

Model number
BT-350

BMC BIPAP



BIPAP

41

Feature

- **Water Capacity**

To maximum fill line 360 mL

- **Heated Humidifier**

Humidifier Settings: Off, 1 to 5 (95°F to 154.4°F / 35°C to 68°C)

Humidifier Output: No less than 10 mg H₂O/L

- **Work Mode**

CPAP, S, T, S/T

- **SD Card**

The SD card can record patient data and fault information

- **AC Power Consumption**

100 – 240 V AC, 50/60 Hz, 2.0 A

- **Sound Pressure Level**

≤ 30 dB, when the device is working at the pressure of 10 hPa

Maximum Flow

- **Test Pressures (hPa):**

4 | 9 | 15 | 20 | 25

- **Measured Pressure at the Patient Connection Port (hPa):**

3 | 8 | 14 | 19 | 24

- **Average Flow at the Patient Connection Port (L/min):**

90 | 120 | 150 | 150 | 150

Automatic Leak Compensation

- **Static Pressure Stability**

± 0.5 hPa

- **Maximum Delivered Gas Temperature**

≤ 43°C

- **Pressure**

G2S B25VT: 4 to 25 hPa

G2S B30VT: 4 to 30 hPa

SpO₂

0% to 100%

- **Pulse Rate**

40 to 240 BPM

Packing:

- Dimension: 274 mm × 184 mm × 115 mm

- Weight: 1.9 kg

Model number

G2S V30VT

BMC BIPAP

BIPAP



42

Feature

- Simple, reliable, sensitive, and quickly synchronized with the patient
- Applicable to sleep snoring and sleep apnea patients
- CPAP, S, S / T, T operating modes
- IPAP 4-30, EPAP 4-30
- 8-step inhalation-exhalation triggers
- Adapt the pressure automatically to the patient's needs and provides better synchronization
- Choose between a nasal or face mask available in S/M/L sizes
- Easily adjust the inhalation-exhalation pressure, inhalation time (0.5-3 seconds) and respiration rate
- 5" colour LCD display with interactive user interface and ergonomic buttons
- The data is recorded in the real-time and can be easily read by scanning the QR code
- Monitoring Vt, Res Rate, Min Vent, Leak. Alarms in all respects
- 5-step adjustment of the humidifier
- Display of the key parameters of therapy in the online mode
- Transfer data through SD Card/iCode/iCodeQR/iCodeQR+
- Build quality conforms to German standards

Packing:

- Dimension: 29 x 17 x 10 cm
- Weight: 4.03 kg

Model number
BMC Y30T

TOPSON BIPAP

BIPAP



43

Feature

• Therapy Modes

CPAP
APAP
BPAP S
BPAP Auto S
BPAP S/T
BPAP S/T Pro
BPAP S/T TVAPS
T Mode
PC Mode
TVAPS Mode

• Pressure Range

IPAP / EPAP Adjustable Range: 4 – 20 / 25 / 30 / 35 cmH₂O

• Pressure Relief

EPFlex Technology (Exhalation Pressure Relief)

Levels: 0 – 5

• Event Detection & Synchronization

Advanced Flow Sensor Technology
Accurate Leak Detection using Patented SAF Algorithm
Multi-level detection of:
Obstructive Sleep Apnea (OSA)
Central Sleep Apnea (CSA)
Hypopnea
Snoring
Flow Limitation
Excellent User–Machine Synchronization

• Data & Monitoring

Real-time Waveform Display
Leak, Flow, Pressure, AI & HI Monitoring

• Topscan Analysis Software

Stores 365+ days of therapy data
Report generation
Print & Email support

• Humidification System

Integrated Heated Humidifier
Constant Temperature Control
Easy-to-Fill Water Chamber
Metal Heating Plate
Fast Heating
Good Humidification Output
Open Tank & Mute Design
S-Type Airway for Smooth Breathing

• Compensation Features

Auto Leak Compensation
Auto Altitude Compensation

• Noise Level

< 30 dB (Ultra-quiet operation)

• User Interface

Multi-language Support
Auto ON / Auto OFF Function

Packing:

- Dimension: 140 × 156 × 94 mm (without humidifier)
- Weight: 0.95 kg (without humidifier)

Model number

AL-TBPAP

BMC CPAP

CPAP



44

Feature

• Pressure Performance

Pressure Range: 4 – 20 hPa
 Static Pressure Stability: ± 0.5 hPa
 Automatic Leak Compensation: Yes

• Flow & Noise

Maximum Flow: Up to 140 L/min
 Sound Pressure Level: < 28 dB (at 10 hPa pressure)

• Humidification System

Humidifier Type: Integrated Heated Humidifier
 Humidifier Settings: Off, Level 1 – 5

• Temperature Range:

35°C to 68°C (95°F to 154.4°F)
 Humidifier Output: ≥ 10 mg H₂O/L
 Water Chamber Capacity: 360 mL (max fill)

• Comfort Features

Reslex Exhalation Pressure Relief: Yes (Levels 1–3)
 Auto ON / OFF Function: Yes
 Soft Breath Technology: Yes

• Data & Connectivity

Data Storage: SD Card (patient data & fault records)
 Data Review Options:

- Device screen
- BMCares App
- BMCares Cloud Platform
- iCode Web / QR
- PC Data Analysis Software

Wireless Connectivity: Optional Cellular Module

• Electrical

Power Supply: 100 – 240 V AC
 Frequency: 50 / 60 Hz
 Current: 2.0 A

• Safety & Performance

Maximum Delivered Gas Temperature: $\leq 43^\circ\text{C}$

Packing:

- Dimension: 274 × 184 × 115 mm
- Weight: 1.9 kg

Model number

G2SA20

TOPSON CPAP

CPAP



45

Feature

• Therapy Mode

CPAP (Continuous Positive Airway Pressure)

• Pressure Range

CPAP Pressure Range: 4 – 20 cmH₂O

• Pressure Relief

EPFlex Technology (Exhalation Pressure Relief)

Ensures comfortable breathing during exhalation

• Event Detection & Synchronization

Advanced Flow Sensor Technology

Excellent User–Machine Synchronization

Patented SAF Leak Calculation Algorithm

Accurate detection of:

- Obstructive Sleep Apnea (OSA)
- Central Sleep Apnea (CSA)
- Hypopnea
- Snoring
- Flow Limitation

Pre-judgement of airflow changes to prevent airway collapse

• Humidification System

Integrated Heated Humidifier

Humidification Levels: 0 – 5

Constant Temperature Control

Open Tank, Mute Design

S-Type Airway for Smooth Breathing

Easy-to-Fill Water Chamber

Metal Material Heating Plate

Fast Heating with Good Humidification Output

• Compensation Features

Auto Leak Compensation

Auto Altitude Compensation

• Motor & Performance

High-Performance, Durable Motor

Stable pressure output with low noise

• Humidification System

Integrated Heated Humidifier

Constant Temperature Control

Easy-to-Fill Water Chamber

Metal Heating Plate

Fast Heating

Good Humidification Output

Open Tank & Mute Design

S-Type Airway for Smooth Breathing

• Compensation Features

Auto Leak Compensation

Auto Altitude Compensation

• Noise Level

< 30 dB (Ultra-quiet operation)

• User Interface

Multi-language Support

Auto ON / Auto OFF Function

Packing:

- Dimension: (L × W × H): 140 × 156 × 94 mm
- Weight: 0.95 kg (without humidifier)

Model number

AL-TCPAP

ALIS PRO

OXYGEN CONCENTRATOR

**OXYGEN
CONCENTRATOR
5 LITER**

46

Model number

AL-OA101

ALIS PRO

OXYGEN CONCENTRATOR

OXYGEN CONCENTRATOR 10 LITER

47

Model number

AL-011

ALIS PRO

PATIENT WARMING SYSTEM

PATIENT WARMING SYSTEM



48

Feature

- Equipment Use: Physical warming the human body by controlling the temperature of the warming blanket to adjust the temperature of the human body.
- Design: Desktop
- Temperature Chose: Total 13 temperature levels, including
- Room Temp: 32 – 43 ±0.9 °C and step in 1
- Temperature Sensor: Three pieces temperature sensors are designed to continuously monitor the system temperature and accurately ensure the air flow temperature at the air outlet.
- Display: Set temp, set air volume, current temp, room temp, working time, working status.
- Temperature Display: Room temp, set temp and current temp are displayed on the one screen, and the current temp display accuracy is 0.1°C.
- Air Volume: 3 levels

High ≥40 CFM

Middle ≥35 CFM

Low ≥30 CFM

- Noise: ≤53 dB(A) when in high air volume, ≤45 dB(A) when in low air volume
- Filter: Double-layer air filtration system: primary filter, high-efficiency filter ≤0.2 μm
- Operation Mode: Button operation, simple and fast
- Warming Blanket: Adult blankets (Size: 200 × 100 cm)
- Power: 1700 VA
- Air Duct: The air duct is elastic, convenient and flexible, wear-resistant, flexible and has good sealing properties. The length is >1.8 meters.
- Power Cord: Length ≥5 meters
- Waterproof Level: IPX3

- Time to reach the set temperature: The temperature rises and falls quickly, stabilizing within the set temperature range within 3 minutes.
- Timer: Accurately records running time and working time, and has maintenance prompts to prompt filter replacement when running >1000 h.
- Operating Environment:
 - Ambient temperature: 5–30 °C
 - Relative humidity: 30–75% RH
 - Atmospheric pressure: 700–1060 hPa
- Whole Set Includes
 - Forced air warmer – 1 pc
 - Warming blanket – 1 pc

Packing:

- Height: 900 mm ± 20 mm
- Base Length: 500 mm ± 20 mm
- Base Width: 400 mm ± 20 mm

Model number

AL-PWS1

ALIS PRO

PATIENT WARMING TROLLEY

PATIENT WARMING TROLLEY



49

Feature

• Construction

Material: High-strength powder-coated mild steel / aluminum structure

Finish: White epoxy powder-coated, corrosion-resistant

Design: Rigid vertical column with stable base platform

• Base Platform

Material: Molded ABS / Metal base

Shape: Rectangular with rounded edges

Surface: Smooth, easy-to-clean, anti-scratch finish

Load Capacity: Supports heavy medical equipment safely

• Mobility

Castor Wheels: 4 swivel castors

Wheel Type: Medical-grade, smooth-rolling, anti-noise

Brake: 2 wheels with locking brakes for stability

• Mounting System

Top Mount: Flat mounting plate for secure equipment fixing

Compatibility: Universal fit for compatible medical devices

Stability: Anti-tilt design for safe operation

• Safety & Hygiene

Easy to clean and disinfect

Rounded corners to prevent injury

Stable center of gravity for patient-area use

• Color

Standard Color: White

Packing:

- Height: 900 mm \pm 20 mm
- Base Length: 500 mm \pm 20 mm
- Base Width: 400 mm \pm 20 mm

Model number

AL-PWST

ALIS PRO HOLTER ECG SYSTEM

ECG SYSTEM



Feature

- With Advance Design And Technology. The Recorder Can Work Stably, Dependable And Durably.
- Be Provided With The Capability Of Anti-jamming And Aseismatic.
- Small Volume With Olled Screen. The Resolution Is 160#128.
- Be provided with functions of waveform preview, record review and event marketing.
- Accurate record of the start time of the data sampled owing to the real time clock of itself.
- Avoid damage owing to the repeating inserting and pulling out by using the inbuilt TFcard to storage the data.
- The maximum capability can be 2gb , so the original data can be saved perfectly by no compression.
- the average review time of single case can be less than 40 seconds by using interface of USB 2.0.
- Record waveform details inextenso by the design of high precision sampling frequency.
- Record the state of pacemaker exactly by higher sampling frequency.
- International standard of 12 leads , record 24-hour Drcg with the same standard of the ECG.

Standard

- Number of channel : 12 channel
- Sampling Accuracy : 12bit
- Record Time : 24h
- Power : 2 Aa size Battaries
- Interface : Usb 2.0:
- Scale Voltage : 1 mv+5%
- Standard Sensitivity : 10mm \mv+5%
- Noise level : <30uv:
- Cmrr : >60db:
- Low frequency characteristics Time constanst >3.2s:
- Scan speed : 25mm \s+5%
- Enduring polarization voltage : +300mv Dc polarization voltage, sensitivity shifts<+10%
- Least measuring signal : 50 mvp-p
- Product safety type : Type B (internally powered)

Packing:

- Dimensions : 111(l)*60(w)*25(h)MM
- Weight : About 105g (without battery)

50

Model number
AL-HE12

ALIS PRO HOLTER ECG SYSTEM

ECG SYSTEM



Feature

- With Advance Design And Technology. The Recorder Can Work Stably, Dependable And Durably.
- Be Provided With The Capability Of Anti-jamming And Aseismatic.
- Small Volume With Oled Screen. The Resolution Is 160#128.
- Be provided with functions of waveform preview, record review and event marketing.
- Accurate record of the start time of the data sampled owing to the real time clock of itself.
- Avoid damage owing to the repeating inserting and pulling out by using the inbuilt TFcard to storage the data.
- The maximum capability can be 2gb , so the original data can be saved perfectly by no compression.
- the average review time of single case can be less than 40 seconds by using interface of USB 2.0.
- Record waveform details inextenso by the design of high precision sampling frequency.
- Record the state of pacemaker exactly by higher sampling frequency.
- International standard of 12 leads , record 24-hour Drcg with the same standard of the ECG.

Standard

- Number of channel : 3 channel
- Record Time : 24h
- Interface : Usb 2.0
- Standard Sensitivity : 10mm \mv+5%
- Cmrr : >60db:
- Low frequency characteristics Time constant >3.2s:
- Scan speed : 25mm \s+5%
- Enduring polarization voltage : +300mv Dc polarization sensitivity shift < + 10%
- Least measuring signal : 50 u V p-p
- Product safety type : Type B (internally powered)
- Sampling accuracy : 12Bit
- Power : 2AA size Batteries
- Scale voltage : 1m V+5%
- Noise Level : < 30uV

Packing:

- Dimensions : 111(l)*60(w)*25(h)MM
- Weight : About 105g (without battery)

51

Model number

AL-HE03

YUWELL SUCTION MACHINE



SUCTION MACHINE

52

Feature

- OIL-FREE, MAINTENANCE-FREE SUCTION PUMP
- 20 LPM CAPABILITY
- ADJUSTABLE NEGATIVE PRESSURE
- STURDY AND STYLISH DESIGN
- GLASS JARS

Technical Specifications

- Input Power : AC 220 V @ 50 Hz, 180 VA
- Pumping Capacity : 20 LPM
- Maximum Negative Pressure : 90 kPa
- Operating Noise : < 65 dB
- Jar Capacity : 2.5 L X 2
- 1/4 HP

Packing:

- Dimensions : 32(L) x 20 (W) x 25 (H) cm
- Weight : approx. 5–6 kg

Model number
7A-23D

YUWELL SUCTION MACHINE



53

Feature

- A high-capacity, compact suction machine for general surgical use.
- The 7A-23A features an oil-free, maintenance-free suction pump with 20 LPM capacity.
- Maximum negative pressure can be conveniently controlled from the regulator on the front panel.
- The durable, all-ABS aesthetically designed body features a folding handle.
- It comes with 2 large 2 L polycarbonate jars, a foot-switch, a tubing kit and spare bacterial filters.

Technical Specifications

- Input Power : AC 220 V @ 50 Hz, 180 VA
- Pumping Capacity : 20 LPM
- Maximum Negative Pressure : 90 kPa
- Operating Noise : < 60 dB
- Jar Capacity : 2.5 L X 2
- 1/4 HP

Packing:

- Dimensions : 320(L) × 190(W) × 230(H) mm
- Weight : approx. 5 kg

Model number
7A-23A

YUWELL SUCTION MACHINE

SUCTION MACHINE



54

Feature

- A high-capacity, high-power suction machine for general surgical use.
- The 7A-23B (High-Power) features an oil-free, maintenance-free suction pump with 40 LPM capacity.
- Maximum negative pressure can be conveniently controlled from the regulator on the front panel.
- The durable, aesthetically designed body features a storage compartment at the back and is made from powder-coated metal and plastic.
- It comes with 2 glass jars, a foot-switch, a tubing kit and spare bacterial filters.

Technical Specifications

- Input Power : AC 220 V @ 50 Hz, 180 VA
- Pumping Capacity : 40 LPM
- Maximum Negative Pressure : 90 kPa
- Operating Noise : < 65 dB
- Jar Capacity : 2.5 L X 2
- 1/4 HP

Packing:

- Dimensions : 360(L) × 220(W) × 260(H) mm
- Weight : approx. 7–8 kg

Model number
7A-23B

YUWELL PORTABLE SUCTION MACHINE

SUCTION MACHINE



55

Feature

- Concealed liquid storage bottle
- Vacuum pressure meter
- Pressure regulator
- Oil-free pump
- Quiet treatment.

Technical Specifications

- Input power: 90VA
- Power supply: DC 12V; 44VA
- Max negative pressure value: 20.075MPa
- Pumping rate: 217L/min
- Operation noise: 65dB (A)
- Reservoir volume: 1000mL, 1 piece
- Packing:

Suction catheter size 8 and size 12, 1 each

Filter 2

Tubing 1

Fuse 1

Packing:

- Dimensions : 35 x 27.5 x 25.5 cm
- Weight : approx. 4.5 kg

Model number
7E-A

ALIS PRO

PORTABLE SUCTION MACHINE

SUCTION MACHINE



Feature

- Powerful and adjustable suction for phlegm & fluids
- Unbreakable 1 L polycarbonate jar – transparent & durable
- Compact, lightweight & fully portable design
- Low noise operation for patient comfort
- Overflow safety valve protects the motor
- Easy to clean & sterilize components
- Suitable for hospital, clinic, dental & emergency use

Technical Specifications

- Suction Capacity: ≥ 15 L/min
- Max Vacuum: 0–690 mmHg
- Jar Capacity: 1 Litre
- Jar Material: Unbreakable Polycarbonate
- Power Supply: 220–240 V AC, 50/60 Hz
- Noise Level: < 60 dB
- Control: Adjustable vacuum regulator
- Safety: Overflow & bacterial filter protection

Packing:

- Dimensions : 15 x 12 x 13 cm
- Weight : 5 kg

56

Model number

AL-PSM

ALIS PRO

SUCTION MACHINE

SUCTION MACHINE



57

Feature

- The Half HP Suction Machine is a reliable MTP suction unit with a powerful 1/4 H.P. electric motor.
- It features stainless steel construction, two 2-litre glass jars, and a vacuum up to -650 mmHg. With low noise levels, it's a great choice for medical facilities.

Technical Specifications

- High Vacuum Suction Unit
- Anti corrosive Stainless Steel Chassis
- Noise level of suction apparatus from is 50 dB +/- 03 dB.
- Electrical Requirement – 220~230V, 50Hz, 1Phase.
- Ideal for MTP / medical / surgical procedures .
- Rotary Vane Type Vacuum Pump with -650 +/- 10 mm Hg.
- Free air displacement 20 ~ 30 ltrs/min.
- Heavy duty HN-65 PU Castors.
- 320 Watt, 1440 RPM, 0.50 H.P. Electric Motor.
- 100 mm Vacuum Gauge
- Non collapsible Silicon tubing
- 2 X 2.0 Ltrs. jars with overflow safety.
- Bacterial filter fitted on top.

Packing:

- Dimensions : 19" x 12" x 29"
- Weight : 15 Kg

Model number
AL-SM14

ALIS PRO

SUCTION MACHINE

SUCTION MACHINE



58

Feature

- The Half HP Suction Machine is a reliable MTP suction unit with a powerful 1/2 H.P. electric motor.
- It features stainless steel construction, two 2-litre glass jars, and a vacuum up to -700 mmHg. With low noise levels, it's a great choice for medical facilities.

Technical Specifications

- High Vacuum Suction Unit
- Anti corrosive Stainless Steel Chassis
- Noise level of suction apparatus from is 50 dB +/- 03 dB.
- Electrical Requirement – 220~230V, 50Hz, 1Phase.
- Ideal for MTP / medical / surgical procedures .
- Rotary Vane Type Vacuum Pump with -740 +/- 10 mm Hg.
- Free air displacement 40 ~ 60 ltrs/min.
- Heavy duty HN-65 PU Castors.
- 320 Watt, 1440 RPM, 1/2 H.P. Electric Motor.
- 100 mm Vacuum Gauge
- Non collapsible Silicon tubing
- 2 X 2.0 Ltrs. Polycarbonate jars with overflow safety.
- Bacterial filter fitted on top.

Packing:

- Dimensions : 19" x 12" x 29"
- Weight : 19 Kg

Model number
AL-SM12

ALIS PRO SUCTION MACHINE

SUCTION MACHINE



59

Feature

- The Half HP Suction Machine is a reliable MTP suction unit with a powerful 1 H.P. electric motor.
- It features stainless steel construction, two 2-litre glass jars, and a vacuum up to -740 mmHg. With low noise levels, it's a great choice for medical facilities.

Technical Specifications

- High Vacuum Suction Unit
- Anti corrosive Stainless Steel Chassis
- Noise level of suction apparatus from is 50 dB \pm 03 dB.
- Electrical Requirement – $220\sim 230V$, $50Hz$, $1Phase$.
- Ideal for MTP / medical / surgical procedures .
- Rotary Vane Type Vacuum Pump with -740 ± 10 mm Hg.
- Free air displacement ~ 60 ltrs/min.
- Heavy duty HN-65 PU Castors.
- 320 Watt, 2900 RPM, $1/2$ H.P. Electric Motor.
- 100 mm Vacuum Gauge
- Non collapsible Silicon tubing
- 2×2.0 Ltrs. Polycarbonate jars with overflow safety.
- Bacterial filter fitted on top.

Packing:

- Dimensions : $19'' \times 12'' \times 29''$
- Weight : 22 Kg

Model number
AL-SM1

ALIS PRO

TOURNIQUET MACHINE

TOURNIQUET



60

Feature

- Acculoc TQ01 Single Port Digital Electronic (Pneumatic) Tourniquet Machine for blood occlusion during surgery (limbs). Offering excellent pressure control, reliable and user friendly interface.

Technical Specification

- Cuff Pressure Range: 50 – 400 mmHg
- Pressure Accuracy: ± 2 mmHg
- Pressure Adjustment: Digital setting with automatic regulation
- Run Time Pressure Change: Auto run-time pressure change facility
- Deflation System: Controlled deflation mechanism
- Display Type: Large LCD display
- Display Visibility: Clear long-distance viewing
- Cuff Compatibility: Silicone autoclavable tourniquet cuffs
- Cuff Sizes Supported: Small (S), Medium (M), Large (L), Extra Large (XL)
- Cuff Identification: Colour-coded cuff size identification
- Cuff Connection: Easy-to-connect NIBP connectors
- Number of Cuffs Supplied: 4 cuffs (S, M, L, XL)
- Power Supply: Internal rechargeable battery
- Battery Type: Li-ion battery
- Battery Voltage: 11.8 V DC
- Battery Backup: Up to 7 hours on full charge
- Charging Mode: Inbuilt battery charging system
- Portability: Fully portable design
- Construction: Compact, lightweight medical-grade housing
- Operating Mode: Continuous operation suitable for OT use
- User Interface: Simple, user-friendly digital interface
- Safety Features: Accurate pressure monitoring and controlled deflation

Standard Accessories:

- Main Unit - 1
- Silicon autoclavable cuffs - 4 sizes
- Charging Cable - 1
- Cuff Connector Pipe - 1

Packing:

- **Dimension** : 19 x 15 x 12 cm
- **Weight** : Approximately 1.3 – 1.4 kg

Model number

AL-TSP

ALIS PRO

TOURNIQUET MACHINE

TOURNIQUET



61

Feature

- Dual cuff digital pneumatic tourniquet for precise blood occlusion
- Fully automatic operation with user-friendly interface
- Two independent channels with separate pressure control
- Supports single cuff, dual cuff, or two separate cuff operations
- Suitable for Double Cuff Procedure and IVRA (Bier's Block)
- Auto pressure maintenance at set value
- Auto run-time pressure change facility
- Controlled and safe deflation system
- Battery-operated design for complete portability
- Built-in battery charging circuit
- Online cuff pressure and time settings adjustment
- Independent elapsed time display for both channels
- Time-based alarms for safety warnings
- Last-setting memory for quick setup in repeat surgeries
- Color-coded cuffs for easy size identification
- Soft, armored cuffs designed to prevent accidental puncture
- Coiled, expandable PU air tubing
- Extra-long Velcro fastening with side ties for secure cuff fixation

Standard Accessories:

- Main Unit - 1
- Silicon autoclavable cuffs - 5 sizes
- Charging Cable - 1
- Cuff Connector Pipe - 1

Technical Specification

- Power Supply: 220V AC Mains
- Battery Backup: Up to 7 Hours
- Accuracy: 450mm Hg
- Display: Large LCD Display
- Cuff Type: Silicone Autoclavable Cuffs
- Cuff Sizes Supplied: S, M, L & XL
- Tubing: PU tubing (Expandable & Puncture Resistant)

Packing:

- **Dimension** : 29 × 26 × 11 cm
- **Weight** : 5 kg

Model number

AL-TDP

ALIS PRO

BP MACHINE / SPHYGMOMANOMETER

Digital



BP MACHINE

62

Feature

- 99sets of storage(2 people),IHB arrhythmia detection, WHO blood pressure classification. Intelligence pressurize.
- LCD screen
- Voltage power detection,Low power consumption
- Display: Digital liquid crystal display
- Fashionable outward, Light and compact, suitable for health care(medical field, families and adult)
- Auto power off: Auto power off when no operation for 1 minute

Technical Specification

- Storage Temperature: -10 to 55 °C
- Storage Humidity: 10%–85% RH
- Operating Temperature: 5–40 °C
- Operating Humidity: 5%–85% RH
- Display: LCD digital display
- Measuring Method: Pulse scanning / oscilloscope assay
- Pressure Range: 0–37.3 kPa (0–280 mmHg)
- Pulse Range: 40–199 times/min
- Wrist Band Display Range: 0–39.9 kPa (0–299 mmHg)
- Static Pressure: ± 0.4 kPa (± 3 mmHg)
- Pulse Accuracy: Within $\pm 5\%$
- Voltage: 6 V
- Power Supply: 4 × AAA batteries
- Accessories Included: Wrist band, Product manual, Storage bag

Packing:

- **Dimension** : 110*100*165*mm
- **Weight** : 250g

Model number
AL-DBM

ALIS PRO

BP MACHINE DELUX / SPHYGMOMANOMETER

Digital



BP MACHINE

63

Feature

- 99sets of storage(2 people),IHB arrhythmia detection, WHO blood pressure classification. Intelligence pressurize.
- LCD screen
- Bluetooth Connectivity
- Voltage power detection,Low power consumption
- Display: Digital liquid crystal display
- Fashionable outward, Light and compact, suitable for health care(medical field, families and adult)
- Auto power off: Auto power off when no operation for 1 minute

Technical Specification

- Storage Temperature: -10 to 55 °C
- Storage Humidity: 10%–85% RH
- Operating Temperature: 5–40 °C
- Operating Humidity: 5%–85% RH
- Display: LCD digital display
- Measuring Method: Pulse scanning / oscilloscope assay
- Pressure Range: 0–37.3 kPa (0–280 mmHg)
- Pulse Range: 40–199 times/min
- Wrist Band Display Range: 0–39.9 kPa (0–299 mmHg)
- Static Pressure: ± 0.4 kPa (± 3 mmHg)
- Pulse Accuracy: Within $\pm 5\%$
- Voltage: 6 V
- Power Supply: 4 \times AAA batteries
- Accessories Included: Wrist band, Product manual, Storage bag

Packing:

- **Dimension** : 110*100*165*mm
- **Weight** : 250g

Model number

AL-BMD

ALIS PRO

BP MACHINE / SPHYGMOMANOMETER

MERCURY



BP MACHINE

64

Feature

- Widely accepted everywhere
- Portable model made of aluminium pressure die cast body
- Epoxy powder coating texture paint
- Clear-cut velvet finish scale of 0–300 mmHg with a reading accuracy of 1 mmHg
- Extra large cuff made from special fabric with extra wide Velcro fasteners for maximum grip

Technical Specification

- First grade quality virgin material used
- Purity of mercury 99.99 percent
- 0 to 300 mm of Hg scale with elegant finish, fine numbering and durable background contrast paint for clear visibility
- Fused type, permanent graduation marking on the glass tube
- Special control valve for perfect pressure drop
- Best quality cuff for getting excellent grip
- Surface plating adapted to all exposed metal parts to prevent corrosion
- Classic epoxy powder coating to the body of the apparatus to withstand in any climate

Packing:

- **Dimension:** 35 x 10 x 5 cm
- **Weight:** Approx. 500 g

Model number
AL-BMM

ALIS PRO

BP MACHINE MERCURY FREE / SPHYGMOMANOMETER

LED SCREEN



BP MACHINE

65

Feature

- Clinically trusted manual BP monitoring for professional healthcare use
- Classic stethoscope-based design preferred by doctors and nurses
- Ergonomic hand bulb allows smooth and controlled inflation
- High-contrast dial display for quick and easy reading
- Comfort-fit arm cuff designed for long-term repeated use
- Robust construction suitable for hospitals, clinics, and ambulances
- Low maintenance device with long service life
- Portable and lightweight design for easy carry and storage
- Reliable performance even in demanding clinical environments
- Ideal for OPD, ICU, emergency wards, and home visits

Technical Specification

- Measuring Principle: Stethoscopy
- Measuring Location: Upper Arm
- Cuff Size: 22–32 cm (Adult)
- Pressure Range: 0–300 mmHg
- Pulse Range: 30–200 pulse/min
- Pressure Accuracy: ± 3 mmHg
- Pulse Accuracy: $\pm 5\%$ of reading
- Inflation: Manual (Latex bulb)
- Deflation: Manual air release valve
- Power Source: 3 \times AA batteries or USB AC adaptor
- Operating Conditions: $+10$ $^{\circ}\text{C}$ to $+40$ $^{\circ}\text{C}$ | 30–85% RH
- Storage Conditions: 0 $^{\circ}\text{C}$ to $+60$ $^{\circ}\text{C}$ | 30–85% RH

Packing:

- **Dimension** : 34 x 11 x 7 cm
- **Weight** : 250 g

Model number

AL-BML

DIAMOND

BP MACHINE MERCURY / SPHYGMOMANOMETER

LED BASIC



BP MACHINE

66

Feature

- Low power consumption
- Mercury Free
- Emulates the mercury column electronically
- Uses the Korotkoff Sound method for B.P. Measurement
- Calibrated with standard U Tube mercury Manometer
- Environment friendly
- Dual power operation
- Model contains Main unit, Velcro cuff, Battery

Technical Specification

- Measurement Unit : mm Hg
- Resolution : 2mm Hg for LED column and 1 mm Hg for numeric display
- Measurement method : By Auscultation with Stethoscope
- Pressure display range : 0 – 280 mm Hg for LED column and 0-300 mm Hg for numeric display
- Accuracy : +/- 4mm Hg (Pressure) ; +/- 5% (Pulse)
- Cuff size: 14.5 cm x 51 cm
- Operating Environment: +10 to +40 degree centigrade
- Storage environment: -20 to +60 degree centigrade
- Pressurization: Manually by rubber bulb
- Deflation: Hand held pressure control valve

Packing:

- **Dimension** : 12 x 8 x 5 cm
- **Weight** : 200 g

Model number

BPMR120

ALIS PRO

BP MACHINE / SPHYGMOMANOMETER

CLOCK MODEL



BP MACHINE

67

Feature

- Clear and easy BP reading even from a distance
- User-friendly design for quick and comfortable monitoring
- Strong and durable build for long-term clinical use
- Flexible tubing allows smooth handling during measurement
- Reliable performance with enhanced durability of components
- High-contrast display reduces reading errors
- Adjustable viewing angle for user comfort
- Suitable for clinics, hospitals, and nursing stations
- Easy for BP measurement from a distance
- Classic look, sturdy finish
- Coiled, expandable rubber tubing
- Special cuff, control valve, bladder and bulb more durable
- Square shape printed dial with contrast color background
- Face plate of dial can be tilted to any suitable reading angle
- Multi purpose utility like desk top, stand mountable, suitable for wall applications also

Technical Specification

- 6 x 6 inch big size Dial for better readability
- Pressure Scale Range - 120gram(0-300mmhg)

Packing:

- **Dimension** : 56*38.7*40cm
- **Weight** : 300 g

Model number
AL-TBM

ALIS PRO

BP MACHINE / SPHYGMOMANOMETER



PORTABLE
ANEROID DIAL
TYPE

BP MACHINE

68

Feature

- Latex free cuff
- Leadtheroid
- Leather Bag
- It employs a cuff that attaches around the arm of the patient.
- Two main types include mercury, referring to the liquid element used for measurement, and aneroid, indicating the lack of any liquid.

Technical Specification

- Chrome-plate brass air release valve
- White enamel 300 mmHg non-stop pin reliable manometer
- Measure Scope: 0-300mmHg
- Accuracy: +/-3mmHg
- Nylon cuff with D-ring
- Bladder: 22 x 12cm
- Euro type gauge

Packing:

- **Dimension :** 18 x 8 x 13 cm
- **Weight :** 300 g

Model number

AL-PBM

CONTEC SPIROMETER

SPIROMETER



69

Feature

- Wireless transmission (be applicable for SP10W)
- Display trend curve
- Scaling (calibration)
- Information prompts when volume or flow goes beyond the limits
- Automatic power off when there is no operation in one minute
- Rechargeable lithium battery and with charging tips
- Battery power display
- DIGITAL

Packing:

- Dimensions (L x W x H) - 97 x 89 x 36 mm
- Weight - 150 g

Standard Accessories:

- USB data line
- Disposable mouthpiece
- Power adapter
- CD (PC software)
- Nose clip (optional)

PRODUCT SPECIFICATIONS

- Display mode: 1.8" color LCD
- Display resolution: 160 x 128
- Volume range: 0-10 L
- Volume accuracy: $\pm 3\%$ or 0.05 L (whichever is greater)
- Flow range: 1 L/S - 16 L/S
- Flow accuracy: $\pm 10\%$ or ± 0.3 L/s (whichever is greater)
- Power supply: 3.7 V DC rechargeable lithium battery
- Safety classification: internally powered equipment, type BF applied part
- Working current - 60 mA

Model number

SP-10

CONTEC SPIROMETER

SPIROMETER



70

Feature

- Portable Digital Spirometer has power indicator and test indicator light.
- Its data transmission by Bluetooth and USB.
- It has expiratory time indication function.
- It can store a large number of cases, up to 9,999 cases.
- DIGITAL

Packing:

- Dimension: 160 mm*65 mm*45 mm
- Weight: 190g

Performance

- Volume range - 0 ~ 10 L
- Flow rate range - 0 L/s ~ 16 L/s
- Volume accuracy - $\pm 3\%$ or ± 0.05 L (whichever is greater)
- Flow rate accuracy - $\pm 5\%$ or ± 0.2 L/s (whichever is greater)
- Working current - 60 mA
- Power supply - rechargeable lithium battery
- Type of protection against electric shock - internally powered equipment
- Degree of protection against electric shock - type BF applied part
- Degree of protection against ingress of liquid - IP22

Standard Accessories:

- A USB data line
- A mouthpiece
- A PC software
- A power adapter (optional)
- A nose clip (optional)

Model number

SP-80B

CONTEC SPIROMETER WITH PRINTER

SPIROMETER



71

Feature

- Real-time display respiration waveform: Flow-Volume loop and Volume-Time curve chart
- 7" color LCD touch screen, buttons can be operated along with touch screen
- Built-in thermal printer, reports can be printed directly
- Test time and environment temperature display
- Calibration function, ensure measurement accuracy
- Multiple predicted value can be selected, suitable for different population
- DIGITAL

Performance

- Volume range :0~ 10 L(FVC)
- Volume accuracy: $\pm 3\%$ or ± 0.05 L (whichever is greater)
- Flow Range: 0~ 16 L/s
- Flow accuracy: $\pm 5\%$ or ± 0.2 L/s (whichever is greater)
- Power supply: 100 V-240 V~ 50 Hz/60 Hz
- Input power: 60 VA
- Safety type: Class I equipment, type BF applied part
- LCD screen: 7" color TFT touch screen
- Printing paper: 112 mm(W) \times 20 m(L) high-speed thermal paper

Packing:

- Dimension: 315 mm(L) \times 215 mm(W) \times 92 mm(H)
- Weight: 1.8 kg

Standard Accessories:

- Spirometer 1pc
- Mouthpiece 4pcs(disposable accessory)
- nose clip 1pc
- USB cable 1pc
- Recording paper 1pc
- Power cord 1pc

Model number

SP-100

ALIS PRO

STETHOSCOPE

REGULAR



STETHOSCOPE

72

Feature

- Clear and accurate sound quality
- Comfortable to wear for long hours
- Strong and durable metal chestpiece
- Soft ear tips for better comfort and noise isolation
- Lightweight and easy to handle
- Smooth, kink-resistant tubing
- Safe, latex-free design
- Professional medical look
- Suitable for daily clinical use
- Trusted performance for reliable diagnosis

Technical Specification

- Binaural Construction: Double Lumen
- Chestpiece Finish: Machined Stainless Steel
- Chestpiece Size: 1.3 Inch / 3.3 cm, 1.7 Inch / 4.3 cm
- Chestpiece Weight: 3.1 Ounce
- Chestpiece Weight (Metric): 87 g
- Diaphragm Material: Epoxy / Fiberglass
- Eartip Type: Soft Sealing
- Headset Material: Wide diameter aerospace alloy / Anodized aluminum
- Length: 22 Inch
- Most Significant Environmental Benefit of this SKU:
- 3M™ Littmann® next-generation tubing is not made with natural rubber latex, and does not contain phthalate plasticizers.
- Net Weight: 6 oz, 6.2 oz
- Performance: 9
- Tube Color: Standard Finish Chestpiece, Black Tube

Packing:

- **Dimension** : 36.2 x 16.4 x 5.2 cm
- **Weight** : 330 g

Model number
AL-DS1

ALIS PRO

FETAL DOPLAR

FETAL DOPLAR



Feature

- **Heartbeat Monitoring:** Experience the joy of listening to your baby's heartbeat from the comfort of your home.
- **Safe and Non-Invasive:** Utilizes ultrasound technology for a safe and non-invasive way to monitor fetal heart sounds.
- **Clear LCD Display:** Features a clear LCD screen for easy monitoring, displaying heartbeat rate and battery status.
- **Audio Output:** Built-in speaker and audio output for headphones, allowing you to share the moment with loved ones.
- **Portable and Compact:** Compact design for easy portability, enabling you to listen to your baby's heartbeat anytime, anywhere.

73

Technical Specification

Material: Plastic

Colour: White

Compatible Devices: Headphones

Sensor Type: Ultrasound

Battery Description: Lithium-Ion

Size: Compact

Batteries: 2 Lithium-Ion batteries required (included)

Battery Type: Lithium-Ion

Packing:

- **Dimension :** 9.5 × 12.5 × 3 cm
- **Weight :** 200 grams

Model number

AL-FD101

ALIS PRO

OTOSCOPE BASIC

OTOSCOPE



Feature

- Provides bright, uniform illumination for accurate ear examination
- 3× magnification lens ensures clear and detailed viewing
- Ergonomic, lightweight handle for comfortable use
- Multiple reusable ear specula for different patient needs
- Durable construction suitable for daily clinical use
- Easy battery replacement and low power consumption

Technical Specification

- Illumination Type: LED / Halogen (model dependent)
- Light Source: High-intensity white light for clear ear canal visualization
- Magnification: 3× magnifying lens (approx.)
- Viewing Window: Scratch-resistant optical glass
- Power Supply: 2 × AA alkaline batteries / Rechargeable handle (variant based)
- Handle Material: High-quality ABS with non-slip grip
- Head Material: Medical-grade plastic / metal alloy
- Switch Type: On/Off push button
- Specula Compatibility: Standard ear specula
- Specula Sizes Included: 2.5 mm, 3.0 mm, 4.0 mm, 5.0 mm (approx.)
- Color: Black

Packing:

- **Dimension** : 15 x 5 x 5 cm
- **Weight** : 150 g

74

Model number

AL-OSB

ALIS PRO OTOSCOPE DELUX

OTOSCOPE



Feature

- Bright, focused illumination for accurate ENT diagnosis
- 3× magnification lens for detailed ear examination
- Complete otoscope kit with multiple specula sizes
- Compact hard case for safe storage and transport
- Lightweight, ergonomic design for prolonged clinical use
- Durable construction suitable for hospitals and clinics

Technical Specification

- Illumination Type: LED / Halogen (model dependent)
- Light Source: High-intensity white light for clear visualization
- Magnification: 3× magnifying lens (approx.)
- Viewing Lens: Removable, scratch-resistant optical glass
- Power Supply: 2 × AA alkaline batteries / Rechargeable handle (variant based)
- Handle Material: High-quality ABS with non-slip ergonomic grip
- Head Material: Medical-grade plastic / metal alloy
- Switch Type: Push button ON/OFF
- Specula Type: Reusable ear specula
- Specula Sizes Included: 2.5 mm, 3.0 mm, 4.0 mm, 5.0 mm (multiple pieces)
- Color: Black & Silver

Packing:

- **Dimension** : 19.3 x 11.18 x 3.81 cm
- **Weight** : 340 g

75

Model number
AL-OSD

CONTEC TABLE TOP PULSE OXIMETER

OXIMETER



Feature

- Low power consumption
- SpO2 value display
- Pulse rate value display, bar graph display
- PI display
- Pulse waveform display
- Menu operation
- Screen brightness can be changed
- The display mode can be changed
- Pulse rate sound indication can be turned on or turned off
- With measured data overruns, limits and low-voltage alarm function, the upper/down alarm range can be adjustable
- Connected with an external oximeter probe
- Data storage function, and the storage data can be uploaded to a computer
- Real-time data can be transmitted to computers

Technical Specification

- Display Mode: TFT Screen and LED display
- Screen Resolution: 320*240
- SpO2 Measuring Range: 0%~100%(the resolution is 1%)
- Accuracy: 70%~100%: $\pm 2\%$, Below 70% unspecified.
- PR Measuring Range: 30bpm~250bpm(the resolution is 1bpm)
- Accuracy: $\pm 2\text{bpm}$ or $\pm 2\%$ (select larger)
- Measurement Performance in Weak Filling Condition: SpO2 and pulse rate can be shown correctly when pulse-filling ratio is 0.4%. SpO2 error is $\pm 4\%$, pulse rate error is $\pm 2\text{ bpm}$ or $\pm 2\%$ (select larger).
- Resistance to surrounding light: The deviation between the value measured in the condition of man-made light or indoor natural light and that of darkroom is less than $\pm 1\%$.
- Power Consumption: About 350mA
- Voltage: AC 100~240V, 50/60HZ
- Power Supply: Built-in recharge Li-Polymer
- Battery working hour: After the device built-in battery finished the charge, it's continuous working time is not less than 1 hour
- Safety Type: II device, BF Type

Packing:

- **Dimension** : 38L x 25W x 11H cm
- **Weight** : 1 kg 600 g

76

Model number
CMS70A

ALIS PRO

PULSE OXIMETER

OXIMETER



Feature

- Monitor blood oxygen saturation – SpO2
- Heart rate monitoring (BMP) every 1 minute.
- Monitor perfusion index – PI
- Monitor respiratory rate (PRR) per minute.

Technical Specification

- Display: Dual-color OLED screen
- Color: Blue 4 Display Modes
- Blood oxygen measurement range: 0 ~ 100%
- PR measurement range: 30-250 BPM
- Screen resolution: 128 * 64
- Battery type: 2 * AAA (not included)
- Material: ABS
- Power consumption: less than 30mA
- Voltage: DC 3.0V

Packing:

- **Dimension:** 9 * 6 * 4cm / 3.54 * 2.36 * 1.57in
- **Weight:** 50g / 1.76oz

77

Model number
AL-POM

ALIS PRO NIBULIZER

NIBULIZER



Feature

- Small Size, Light Weight and Efficient Therapy
- Compact and lightweight design for easy handling
- Suitable for both adults and children
- Comfortable and easy to use at home
- Consistent medication delivery for better results
- Durable build for long-term daily use
- Simple operation with minimal maintenance
- Stable performance during continuous use
- Travel-friendly size with easy storage
- Reliable choice for regular respiratory care

Technical Specification

- Type of Compressor: Piston
- Pressure: 40 PSI
- Operating Time: 60 min. on / 30 min. off
- Air Flow: 8 LPM
- Medication Capacity: 6 mL
- Particle Size: 0.5 to 5 microns
- Power Supply: 220V~50Hz, 50~60Hz
- Power Consumption: 45~50 Watt
- Nebulizer , Air Tube, Mask , Filters

Packing:

- **Dimension:** 305mm × 205mm × 127mm
- **Weight:** 1.900 Kg

78

Model number

AL-NM01

ALIS PRO NIBULIZER

NIBULIZER



Feature

- Fast And Efficient Respiratory Therapy
- Provides smooth and effective nebulization
- Helps deliver medication evenly for better relief
- Easy to use for daily home care
- Suitable for adults and children
- Compact and lightweight for convenient handling
- Low-noise operation for patient comfort
- Durable and reliable for long-term use
- Simple to clean and maintain
- Ideal for regular respiratory therapy
- Designed for safe and consistent performance

Technical Specification

- Power :- AC 230 V / 50 Hz
- Current :- Around 0.7 A
- Medication Capacity :- 6ml.
- Particle Size :-0.5 to 10 μ m
- MMAD :- 4 μ m
- Sound Level :- Around 58 dBA
- Average Nebulization Rate :- Min 0.2ML / Min.
- Compressor Max. pressure range:-35 to 50 Psi
- Operation pressure range:-8 to 16 psi (50 to 100 kpa / 0.5 to 1.0 bar)
- Liter flow range :-6 to 8 lpm
- Operation humidity range :- 10 to 95% RH
- Transport and storage humidity range :- 10 to 95% RH
- Standard accessories :- Nebulizer , Air Tube, Mask , Filters (5 Nos.)

Packing:

- **Dimension** : 170mm x 195mm x 102mm
- **Weight** : 1.4 kg (Approx.)

79

Model number

AL-NM02

ALIS PRO

MESH NEBULIZER

NIBULIZER



Feature

- Converts liquid medicine into a fine mist for effective inhalation
- Easy and comfortable to use for daily respiratory care
- Portable design allows use at home or while traveling
- Quiet operation for a calm and stress-free experience
- Suitable for both adults and children
- User-friendly design with simple handling
- Reliable performance for regular therapy sessions
- Hygienic and easy to clean after use
- Lightweight build for effortless carrying
- Ideal for asthma, COPD, and other breathing treatments

Technical Specification

- Operating Type: Manual
- Technology: Manual
- Material: Plastic
- Color: White
- Power Source: Electric
- Voltage: 240 Volts (V)
- Power Consumption: 80 VA \pm 20 VA
- Condition: New
- Wall Mounted: No
- Portable: Yes
- Noise Level: 55 dB
- Use: Turns liquid medicine into a mist which is then inhaled through a mouthpiece or a mask

Packing:

- **Dimension:** 23.37 \times 22.61 \times 15.24 cm
- **Weight:** 1.36 kg

80

Model number
AL-MN03

ALIS PRO

INFRARED FOREHEAD THERMOMETER

THERMOMETER



Feature

- Non contact measurement
- 1s measurement
- °C/°F switching
- 30 Record Storage
- 3-color LCD backlight display
- Fever Alarm Function
- Multi-functional, can measure forehead, room, milk, water and object temperature
- Mute and un-mute mode
- Standby for 18 seconds to shut down
- HD LCD Screen

Technical Specification

- Special Feature: Lightweight
- Colour: White
- Age Range (Description): Adult
- Included Components: Battery
- Outer Material: Plastic
- Display Type: LCD
- Connectivity Technology: Infrared
- Product Care Instructions: Wipe Clean
- Net Quantity: 1 Count
- Power Source: Battery Powered
- Upper Temperature Rating: 42.9°C
- Response Time: 1000 milliseconds
- Reusability: Rechargeable
- Indoor / Outdoor Usage: Outdoor

Packing:

- **Dimension** : 17 × 11 × 4 cm
- **Weight** : 160 g

81

Model number

AL-IFT

ALIS PRO

DIGITAL THERMOMETER

THERMOMETER**Feature**

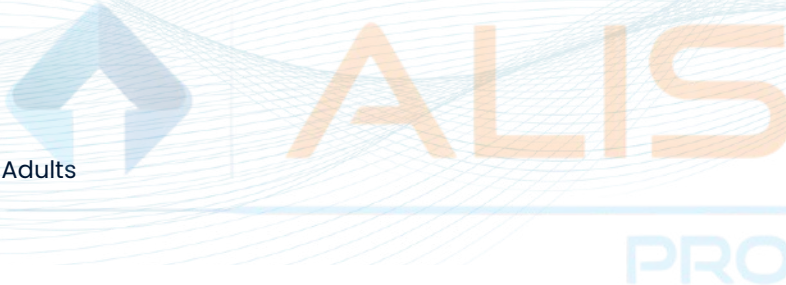
- High Accuracy
- Soft Beep
- Hold to Switch °C/°F
- Low Battery Alert
- Last Reading Memory
- Long Lasting Battery
- Suitable for Babies, Kids, Adults
- Plastic Case Included
- One Button Operation
- Auto Off

Technical Specification

- Special Feature: High Accuracy
- Colour: Blue
- Age Range (Description): Youth
- Included Components: Single Thermometer
- Outer Material: Plastic
- Display Type: LCD
- Product Care Instructions: Hand Wash Only
- Power Source: Battery operated
- Upper Temperature Rating: 42 Degrees Celsius
- Reusability: Rechargeable
- Lower Temperature Rating: 32 Degrees Celsius
- Indoor/Outdoor Usage: Indoor

Packing:

- **Dimension** : 15 Centimetres (L)
- **Weight** : 20 g

82

Model number

AL-DT01

ALIS PRO

CLINICAL THERMOMETER

THERMOMETER



83

Feature

- Fast and accurate temperature reading
- Easy-to-read analog scale
- High-quality transparent glass body
- Suitable for adult use
- Reusable and long-lasting design
- Hygienic and easy to clean
- Compact and lightweight for convenient handling
- Reliable performance for daily medical use

Technical Specification

- Special Feature: Fast Reading System
- Age Range (Description): Adult
- Included Components: Transparent Oval Mercury Thermometer
- Outer Material: Glass
- Display Type: Analog
- Connectivity Technology: USB
- Product Care Instructions: Wipe Clean
- Upper Temperature Rating: 42 Degrees Celsius
- Lower Temperature Rating: 35 Degrees Celsius
- Reusability: Reusable
- Indoor/Outdoor Usage: Outdoor

Packing:

- **Dimension:** 15 Centimetres (L)
- **Weight:** 25 g

Model number

AL-CT01

ALIS PRO

DIGITAL WEIGHT SCALE



WEIGHT SCALE

84

Feature

- High Precision Sensor
- Multi function weight scale
- Auto power off
- Auto zero
- Low battery and overload indication on display.

Technical Specification

- Display Type: LED
- Material: Tempered glass
- Power Supply: Battery(Not Included)
- Battery: 2 x 1.5V (7#Lithium) / 1 x 3V CR2032 Li
- Equipped with a high precision strain sensor system
- Capacity: 150kg/180kg
- Graduation: 100g
- Weight mode: Weighing automatic
- Automatic zero resetting
- Automatic switch off
- Unit: Kg
- Indication: Weight Overload
- Symbol Lo boot low voltage detection, low voltage

Packing:

- **Dimension** : 28 x 28 x 5 cm
- **Weight** : 750 g

Model number

AL-DWS

ALIS PRO

ANALOG WEIGHT SCALE



WEIGHT SCALE

85

Feature

- Accurate and reliable body weight measurement
- Classic manual analog weighing system
- Strong and durable body construction
- Easy-to-read clear dial display
- Non-slip surface for safe standing
- No battery required – always ready to use
- Compact and lightweight design
- Suitable for home, clinic, and fitness use
- Stable base for balanced weighing
- Stylish blue finish with premium look

Technical Specification

- Colour - Blue
- Special Feature - Bodyweight
- Display Type - analog
- Weight Limit - 120 Kilograms
- Form Factor - Mini
- Material - Plastic
- Readout Accuracy - 120 Kilograms
- Weigh Scale Type - Floor Scale

Packing:

- **Dimension** : 28 x 27 x 5.4 cm
- **Weight** : 1.6 kg

Model number
AL-AWS

ALIS PRO

DIGITAL BABY WEIGHT SCALE



WEIGHT SCALE

86

Feature

- Designed specially for newborns and infants
- Comfortable baby tray for safe and secure weighing
- Accurate and reliable weight measurement
- Easy-to-read digital display
- Smooth surface for baby comfort
- Stable and sturdy base for safety
- Lightweight and easy to move
- Simple operation for quick use
- Hygienic and easy to clean

Technical Specification

- Measures in: KG
- Material: Plastic
- Power Requirement - Adapter
- Battery Type - AA Battery
- Number of Batteries - 2
- Display Type - Digital
- Maximum Weighing Capacity - 30 kg
- Minimum Weighing Capacity - 10 g

Packing:

- **Dimension** : 33 x 29 x 20 cm
- **Weight** : 3kg - 4 kg (approx)

Model number
AL-DBS

ALIS PRO

ANALOG BABY WEIGHT SCALE



WEIGHT SCALE

87

Feature

- Designed for Comfort & Safety
- High-Visibility Dial with Rotating Needle Gauge
- Built-in Measuring Tape
- Durable & Lightweight ABS Plastic Body

Technical Specification

- Colour: White
- Special Feature: Large Display, Lightweight
- Display Type: Analog
- Weight Limit: 20 Kilograms
- Form Factor: Mini
- Material: Metal, Plastic
- Readout Accuracy: 100 Grams

Packing:

- **Dimension:** 21 x 16 x 19 cm
- **Weight:** 2 kg

Model number

AL-ABS

ALIS PRO

DIGITAL WEIGHT SCALE 2 IN 1

WEIGHT SCALE



88

Feature

- Suitable for both babies and adults
- Smooth and accurate weight measurement
- Easy-to-read clear digital display
- Stable and safe platform design
- Simple and user-friendly operation
- Durable construction for long-term use
- Hygienic surface, easy to clean
- Ideal for hospitals, clinics, and healthcare centers
- Reliable performance for daily medical use
- Clean white finish for a professional medical look

Technical Specification

- Mode of Operation: Fully Automatic
- Maximum Capacity: 300 kg
- Display Type: LCD
- Color: White
- Usage/Application: Hospital
- Power Supply: 220 Volt AC
- Max Weight Capacity: 300 KG
- Platform Size: 22 × 18 × 14
- Total Height: 32 Inch
- Baby and Adult Weight Scale

Packing:

- **Dimension** : 110 × 60 × 35 cm
- **Weight** : 22KG

Model number

AL-WS21

ALIS PRO DVT PUMP

DVT PUMP



89

ALIS
PRO

Feature

- Designed specially for children’s lymphatic drainage therapy
- Gentle pneumatic air compression for comfort and safety
- 4-chamber system for uniform pressure distribution
- Multiple therapy modes for flexible treatment options
- Dual leg attachments for simultaneous therapy
- Soft, skin-friendly cuffs for child comfort
- Easy to operate and user-friendly controls
- Lightweight and portable design
- Non-invasive and drug-free therapy solution

Technical Specification

- Deep Vein Thrombosis Compression Device
- Intermittent Pneumatic Compression Device
- Vascular Compression Therapy
- DVT Round Pump for Legs db
- Best DVT Pump for Hospital and Home Use
- Compression Therapy for DVT Prevention Watt (w)
- Air Compression Device for Blood Clot Prevention mg
- Digital 4 Chamber DVT System Week
- 20 Watt (w)
- 4 Chamber Round DVT Compression Therapy Device
- DVT Prevention Device 4 Chamber
- 4 Chamber Air Compression Machine
- 4 Chamber DVT Machine
- Shoulder, Joints, Cervical, Back, Muscles, Nerves
- Compression Therapy Machine
- Children, Adults, Women, Elders, Infants
- Touch Screen
- DVT Prevention Device GSM (gm/2)

Packing:

- **Packed Size:** 45 × 35 × 25 cm (L × W × H)
- **Packed Weight:** 9 kg (Approx.)

Model number

AL-DVT

CIRONA DVT PUMP

DVT PUMP



90

Feature

- The Vein Prevention System is a pneumatic compression device.
- It increases venous blood flow and helps prevent clots.
- It has a detachable power cord, which can allow for easy transport of the device.
- This system offers customizable treatment options, allowing the patient to use it on one leg or both legs.
- It comes with a long-lasting rechargeable battery, and the bed hanger attaches easily in a hospital or home care setting.

Technical Specification

- Inflation Cycle: 12 seconds
- Rest Period: 48 seconds
- Cycle: 60 seconds
- Pressure: 40 mmHg
- Electrical: 100–240 VAC, 50–60 Hz
- Fuse Rated: 250 VAC, 1.0 AMP, SLO-BLO
- Operation Mode: Continuous
- Battery: Lithium Battery, 10.8 V, 400 mAh (Rechargeable)

Packing:

- **Dimension:** 7.0 × 4.0 × 11.0 cm
- **Weight:** 2.3 kg

Model number

CIRONA 6200

ALIS PRO

BABY WARMER / RADIANT WARMER

BABY WARMER



91

Feature

- **Compact & Lightweight:** With a 3-foot height, it's designed for portability and space-saving use in smaller operating rooms or mobile medical units.
- **Fully Automatic Operation:** Delivers precise control of gas flow and concentration through automated systems, reducing manual intervention and improving accuracy.
- **Built-In Safety Systems:** Includes alarms, oxygen failure protection, and pressure regulators to ensure safe and consistent anesthesia delivery.

Technical Specification

- **Power Source:** 230V AC, 10%, 50Hz
- **Light Source:** LED Light to examine babies
- **Heater Capacity:** 600 Watts
- **Power Consumption:** 800 Watts at 100% heater power
- **Single Sensor**

Packing:

- **Dimension:** 80(L) x 50 (W) x 37 (H) inch
- **Weight:** 35 KG

Model number
AL-BW01

ALIS PRO

BABY WARMER / RADIANT WARMER

BABY WARMER



92

Feature

- **Compact & Lightweight:** With a 3-foot height, it's designed for portability and space-saving use in smaller operating rooms or mobile medical units.
- **Fully Automatic Operation:** Delivers precise control of gas flow and concentration through automated systems, reducing manual intervention and improving accuracy.
- **Built-In Safety Systems:** Includes alarms, oxygen failure protection, and pressure regulators to ensure safe and consistent anesthesia delivery.

Technical Specification

- **Power Source:** 230V AC, 10%, 50Hz
- **Light Source:** LED Light to examine babies
- **Heater Capacity:** 600 Watts
- **Power Consumption:** 800 Watts at 100% heater power
- **Double Sensor**

Packing:

- **Dimension:** 80(L) x 50 (W) x 37 (H) inch
- **Weight:** 35 KG

Model number

AL-BW02

ALIS PRO

BABY WARMER / RADIANT WARMER

PRIME

BABY WARMER



93

Feature

- **Compact & Lightweight:** With a 3-foot height, it's designed for portability and space-saving use in smaller operating rooms or mobile medical units.
- **Fully Automatic Operation:** Delivers precise control of gas flow and concentration through automated systems, reducing manual intervention and improving accuracy.
- **Built-In Safety Systems:** Includes alarms, oxygen failure protection, and pressure regulators to ensure safe and consistent anesthesia delivery.

Technical Specification

- **Power Source:** 230V AC, 10%, 50Hz
- **Light Source:** LED Light to examine babies
- **Heater Capacity:** 600 Watts
- **Power Consumption:** 800 Watts at 100% heater power
- **Single Sensor**

Packing:

- **Dimension:** 80(L) x 50 (W) x 40 (H) inch
- **Weight:** 45 KG

Model number

AL-BWP10

ALIS PRO

BABY WARMER / RADIANT WARMER

PRIME

BABY WARMER



94

Feature

- **Compact & Lightweight:** With a 3-foot height, it's designed for portability and space-saving use in smaller operating rooms or mobile medical units.
- **Fully Automatic Operation:** Delivers precise control of gas flow and concentration through automated systems, reducing manual intervention and improving accuracy.
- **Built-In Safety Systems:** Includes alarms, oxygen failure protection, and pressure regulators to ensure safe and consistent anesthesia delivery.

Technical Specification

- **Power Source:** 230V AC, 10%, 50Hz
- **Light Source:** LED Light to examine babies
- **Heater Capacity:** 600 Watts
- **Power Consumption:** 800 Watts at 100% heater power
- **Double Sensor**

Packing:

- **Dimension:** 80(L) x 50 (W) x 40 (H) inch
- **Weight:** 45 KG

Model number

AL-BWP20

ALIS PRO

BABY WARMER / RADIANT WARMER

BABY WARMER



95

Feature

- **Compact & Lightweight:** With a 3-foot height, it's designed for portability and space-saving use in smaller operating rooms or mobile medical units.
- **Fully Automatic Operation:** Delivers precise control of gas flow and concentration through automated systems, reducing manual intervention and improving accuracy.
- **Built-In Safety Systems:** Includes alarms, oxygen failure protection, and pressure regulators to ensure safe and consistent anesthesia delivery.

Technical Specification

- Power Source: 230V AC, 10%, 50Hz
- Light Source: LED Light to examine babies
- Heater Capacity: 600 Watts
- Power Consumption: 800 Watts at 100% heater power
- Single Sensor
- With 3 Drawer

Warmer Packing:

- **Dimension:** 80(L) x 50 (W) x 37 (H) inch
- **Weight:** 35 KG

Drawer Packing:

- **Dimension:** 15(L) x 16 (W) x 15 (H) inch
- **Weight:** 5 KG

Model number

AL-DDW1

ALIS PRO

BABY WARMER / RADIANT WARMER

BABY WARMER



96

Feature

- **Compact & Lightweight:** With a 3-foot height, it's designed for portability and space-saving use in smaller operating rooms or mobile medical units.
- **Fully Automatic Operation:** Delivers precise control of gas flow and concentration through automated systems, reducing manual intervention and improving accuracy.
- **Built-In Safety Systems:** Includes alarms, oxygen failure protection, and pressure regulators to ensure safe and consistent anesthesia delivery.

Technical Specification

- **Power Source:** 230V AC, 10%, 50Hz
- **Light Source:** LED Light to examine babies
- **Heater Capacity:** 600 Watts
- **Power Consumption:** 800 Watts at 100% heater power
- **Double Sensor**
- **With 3 Drawer**

Warmer Packing:

- **Dimension:** 80(L) x 50 (W) x 37 (H) inch
- **Weight:** 35 KG

Drawer Packing:

- **Dimension:** 15(L) x 16 (W) x 15 (H) inch
- **Weight:** 5 KG

Model number

AL-DDW2

ALIS PRO BABY INCUBATOR

BABY INCUBATOR



97

Key Features

- Clear LED digital display for easy monitoring
- PT-100 temperature sensor for accurate temperature control
- Transparent acrylic panels for clear internal visibility
- Low noise operation, suitable for hospital environments
- Energy-efficient and reliable performance
- Strong mild steel body with durable finish
- Easy to operate and maintain
- Suitable for continuous medical use

DIMENSIONS (Approx.)

- Overall Length: 600 mm
- Overall Width: 450 mm
- Overall Height: 450 mm

WEIGHT (WITH PACKING)

- Net Weight: Approx. 25–28 kg
- Gross Weight (With Packing): Approx. 32–35 kg

Technical Specifications

- Frame Construction: SS round tube framework
- Seat Top: Stainless Steel seat top
- Base Design: 3-leg base mounted on rubber shoes
- Height Adjustment: Screw-operated height adjustment
- Height Range: 45 cm to 67 cm
- Finish: Pre-treated and epoxy powder-coated MS body
- Construction Type: Knock-down (KD) construction

Model number

AL-BI

ALIS PRO

BABY WARMER WITH PHOTOTHERAPY (2 IN 1)

Single Sensor



BABY INCUBATOR

98

BABY WARMER TECHNICAL SPECIFICATION

- Power Source: 230V AC, 10%, 50Hz
- Light Source: LED Light to examine babies
- Heater Capacity: 600 Watts
- Power Consumption: 800 Watts at 100% heater power
- **Single Sensor**

PHOTOTHERAPY Technical Specification

- Light Source: LED
- Number of Lamps: 12
- Wavelength: 450-470 nm
- Irradiance: $>30 \text{ W/cm}^2/\text{nm}$
- Timer: 1-99 hours
- Temperature Sensor: 37°C
- Power Supply: AC 220V, 50 Hz
- Power consumption: 100W power
- Height (Adjustable): 1400 – 1800 mm , Base Length: 650 mm , Base Width: 550 mm

Packing:

- **Dimension** : 80(L) x 50 (W) x 37 (H) inch
- **Weight** : 40 KG

Model number

AL-BP21S

ALIS PRO

BABY WARMER WITH PHOTOTHERAPY (2 IN 1)

Double Sensor



BABY INCUBATOR

99

BABY WARMER TECHNICAL SPECIFICATION

- Power Source: 230V AC, 10%, 50Hz
- Light Source: LED Light to examine babies
- Heater Capacity: 600 Watts
- Power Consumption: 800 Watts at 100% heater power
- **Double Sensor**

PHOTOTHERAPY Technical Specification

- Light Source: LED
- Number of Lamps: 12
- Wavelength: 450-470 nm
- Irradiance: $>30 \text{ W/cm}^2/\text{nm}$
- Timer: 1-99 hours
- Temperature Sensor: 37°C
- Power Supply: AC 220V, 50 Hz
- Power consumption: 100W power
- Height (Adjustable): 1400 – 1800 mm , Base Length: 650 mm , Base Width: 550 mm

Packing:

- **Dimension** : 80(L) x 50 (W) x 37 (H) inch
- **Weight** : 40 KG

Model number
AL-BP21SD

ALIS PRO

PHOTOTHERAPY

SINGLE SURFACE WITHOUT BASSINET

PHOTOTHERAPY



100

Feature

- Compact and ergonomic design for easy use and portability
- Adjustable height and angle for customizable treatment options
- Long-lasting LED lights for efficient and safe treatment
- Anti-glare shield for reduced eye strain and improved comfort
- Timed treatment cycles for accurate and consistent treatment
- Quiet operation for reduced disturbance to the infant
- Transparent sides for easy monitoring of the infant during treatment
- Integrated timer and temperature sensors for enhanced safety and monitoring

Technical Specification

- Light Source: LED
- Number of Lamps: 12
- Wavelength: 450-470 nm
- Irradiance: $>30 \text{ W/cm}^2/\text{nm}$
- Timer: 1-99 hours
- Temperature Sensor: 37°C
- Power Supply: AC 220V, 50 Hz
- Power consumption: 100W power
- Height (Adjustable): 1400 – 1800 mm , Base Length: 650 mm , Base Width: 550 mm

Packing:

- **Dimension:** 1000(L) x 600 (W) x 350 (H) inch
- **Weight:** 14 kg

Model number
AL-PT01

ALIS PRO

PHOTOTHERAPY

SINGLE SURFACE WITH BASSINET



PHOTOTHERAPY

101

Feature

- Effective Performance
- Economic
- Power Saver
- 180° Rotating Unit
- Attractive Look
- Safe and Fast Results

Technical Specification

- LEDs Optimized Wavelength: 450–460 nm
- 12 Blue Power LEDs
- Low Power Consumption: Only 20 W operation
- Long Life: Up to 40,000 hours
- Height Adjustable
- Easy to Transport
- Overall Height (including lamp): 1650 – 1900 mm , Overall Length: 850 – 900 mm, Overall Width: 500 – 550 mm

Packing:

- **Dimension:** 1000 × 600 × 450 mm
- **Weight:** 25 KG

Model number
AL-PT02

ALIS PRO

PHOTOTHERAPY

 DOUBLE SURFACE WITH BASSINET

PHOTOTHERAPY



102

Feature

- Effective Performance
- Economic
- Power Saver
- 180° Rotating Unit
- Attractive Look
- Safe and Fast Results

Technical Specification

- LEDs Optimized Wavelength: 450–460 nm from both side
- 12 + 12 Blue Power LEDs
- Low Power Consumption: Only 20 + 20 W operation
- Long Life: Up to 40,000 hours
- Height Adjustable
- Easy to Transport
- Overall Height (including top lamp): 1700 – 1950 mm, Overall Length: 850 – 900 mm, Overall Width: 520 – 560 mm

Packing:

- **Dimension:** 1000 × 600 × 480 mm
- **Weight:** 27 KG

Model number
AL-PT03

ALIS PRO

BASSINET FOR PHOTOTHERAPY



103

Feature

- Adjustable Height
- Casters With Brake
- Eco-Friendly
- Fold-able Rails

Technical Specification

- Metals Type - Iron
- Overall Height: 850 – 900 mm
- Overall Length: 800 – 850 mm
- Overall Width: 500 – 550 mm

Packing:

- **Dimension:** 900 × 550 × 400 mm
- **Weight:** 10 KG

Model number
AL-PTB

ALIS PRO INFUSION / BLOOD WARMER



104

Feature

- Exquisite Workmanship
- Multiple Temperature Control Protection Technology
- 2mins Fast Heating
- Three Heating Groove
- High Accuracy

Technical Specification

• Temperature Setting

°C: 35.0°C ~ 42.0°C

°F: 95.0°F ~ 107.6°F

• Temperature Accuracy

°C: $\pm 1^{\circ}\text{C}$

°F: $\pm 1.8^{\circ}\text{F}$

• Increment

°C: 0.1°C

°F: 0.2°F

• Optional Unit

°C, °F

• Warming Up Time

≤ 2 min

• Overheat Protection

46°C, hardware and software protection

• Alarm

Overheat, low temperature, system error, door open, warming up alarm

• Blood and IV Sets

Standard single-used PVC blood or IV tubes(diameter: 3.4–4.5 mm)

• Display - LED

• Heating Way - Long, middle, short grooves

• Installation Way - IV knob, hanger optional

• Power Consumption - 85 VA

• Degree of Protection against Ingress of Liquids - IPX1

• Degree of Protection against Electric Shock - Class II, Type CF

• Working Mode - Continuous heating

• Power Supply

Input: 100–240V (AC Power), 50/60Hz, 0.3–0.7A

Output: 12V (DC Power), 2.5A

• Operation Environment

Temperature: +5°C ~ +30°C

Relative Humidity: 20%–80%

Atmosphere: 76.0 kPa – 106.0 kPa

• Transportation and Storage Environment

Temperature: -20°C ~ +55°C

Relative Humidity: 10%–93%

Atmosphere: 50.0 kPa – 106.0 kPa

Packing:

- **Dimension** : 180 × 70 × 35 mm

- **Weight** : 0.2 kg; with knob: 0.4 kg

Model number

AL-IBW

ALIS PRO PORTABLE VENTILATOR

VENTILATOR



105

Feature

- Designed specifically for ambulance, emergency, and transport ventilation
- Compact, lightweight & portable for mobile critical care
- Three ventilation modes: Controlled, Assisted & Manual
- Air Mix / No Air Mix selection for flexible oxygen delivery
- High-precision pressure monitoring with real-time display
- Automatic self-test function on startup for safety assurance
- Built-in rechargeable battery ensures uninterrupted operation during transport
- Voice guidance & audio alerts for safer emergency handling

Technical Specification

• Ventilation Modes

Controlled Ventilation (IPPV)

Assisted Ventilation (Assist)

Manual Ventilation Mode

• Patient Category

Adult & Pediatric (≥ 15 kg)

Not suitable for neonates

• Respiratory Frequency Range (Adjustable)

Infant (10–30 kg): 25–40 bpm

Child (30–60 kg): 15–25 bpm

Adult (60–110 kg): 8–15 bpm

• Minute Volume Range (Adjustable)

Infant: 3 – 5 L/min

Child: 5 – 7 L/min

Adult: 7 – 13 L/min

• Inspiratory / Expiratory Ratio

1: 1.67 (fixed)

• Maximum Airway Pressure (Pmax)

Mask Ventilation: up to 20 mbar

Intubation: up to 45 mbar

• Operating Oxygen Pressure

2.7 – 6 bar

• Oxygen Flow Capacity

≥ 70 L/min

• Oxygen Concentration

Air Mix Mode: approx. 55% – 85%

No Air Mix Mode: 100% Oxygen

• Trigger Sensitivity (Assist Mode)

5 L/min patient inspiratory flow

• Power Supply

AC: 100–240 V (via adapter)

DC: 12 V (Ambulance / Helicopter supply)

• Battery

Built-in Rechargeable Li-ion Battery (7.4 V)

Backup Time: up to 10 hours

Charging Time: ≥ 5 hours

• Display

LED Display for airway pressure, peak & mean pressure, battery status, alarms

• Alarm System

Visual + Audible + Voice Prompt Alarms

Packing:

- **Dimension:** 45 cm x 35 cm x 30 cm
- **Weight:** 6.5 kg

Model number

AL-6000S

VYAIRE PORTABLE VENTILATOR (REFURBISHED)

VENTILATOR



106

Feature

- For patients 5kg body weight and up
- Presets to select the patient type, Infant, Pediatric or Adult patients
- Ventilator preset optimization using the intuitive LTV 1200 interface
- Illuminated active controls and alarms settings for easy identification of ventilation parameters.

Technical Specification

• Controls

Power On/Standby
 Ventilation modes: Control, Assist/Control, SIMV/CPAP and NPPV
 Breath types: VC, PS and Spontaneous
 Breath rate: 0–80 BPM
 Tidal volume: 50–2,000 mL
 Inspiratory time: 0.3–9.9 sec
 PS/spontaneous flow: 160 LPM
 Pressure support: 1–60 cmH₂O
 0 (PEEP compensated)
 Flow sensitivity: Off, 1–9 LPM
 PEEP/CPAP: 0–20 cmH₂O
 Manual breath: 1× current settings
 Control lock: Easy or hard unlock

• Environmental Specifications

Operating temperature: 5–40°C (40–104°F)
 Storage temperature: -20 to 60°C (-4 to 140°F)
 Operating humidity: 15–95% relative
 Storage humidity: 10–95% relative
 Shock compliance: IEC 68-2-27, MIL-STD-810F
 Vibration compliance: IEC 68-2-34 and 68-2-6, MIL-STD-810F

• Variable Alarms

Apnea interval: 10–60 sec
 High pressure limit: 5–100 cmH₂O
 Low peak pressure: Off, 1–60 cmH₂O
 Low minute volume: Off, 0.1–99 liters
 High PEEP: Off, 3–20 cmH₂O above set PEEP
 Low PEEP: Off, -3 to -20 cmH₂O below set PEEP
 High rate: Off, 5–80 BPM
 Alarm volume: 60–85 dBA

• Monitors and Indicators

Peak inspiratory pressure: 0–120 cmH₂O
 Mean airway pressure: 0–99 cmH₂O
 PEEP: 0–99 cmH₂O
 Breath rate: 0–250 BPM
 Airway pressure display: -10 to 108 cmH₂O
 Exhaled tidal volume: 0–4,000 mL
 Exhaled minute volume: 0–99.9 liters
 I:E ratio: 99:1 to 1:99
 Calculated peak flow: 10–100 LPM

Packing:

- **Dimension** : 13.5" x10.5"x 3.25"
- **Weight** : 6.5 kg

Model number
LTV-1150

VYAIRE

PORTABLE VENTILATOR (REFURBISHED)

VENTILATOR



107

Feature

- Apnea Back-up Ventilation
- Pressure Control and Pressure Support Variable Rise Time
- Pressure Control and Pressure Support Variable Flow Termination
- Leak Compensation

Technical Specification

• Controls

Power: On / Standby
 Ventilation Modes: Control, Assist/Control, SIMV, CPAP, NPPV
 Breath Types: Volume Control, Pressure Control, Pressure Support, Spontaneous
 Breath Rate: 0 – 80 breaths per minute
 Tidal Volume: 50 – 2000 ml
 Inspiratory Time: 0.3 – 9.9 seconds (100 lpm)
 PC/PS/Spontaneous Flow: 160 lpm
 Pressure Control: Off, 1 – 99 cmH₂O
 Pressure Support: Off, 1 – 60 cmH₂O
 Sensitivity: 0.1 lpm (inhalation)
 PEEP/CPAP: 0 – 20 cmH₂O
 Control Breath: Easy or Hard unlock methods 1 x current settings

• Variable Alarms

- Apnea Interval: 10 – 60 seconds
- High Pressure Limit: 5 – 100 cmH₂O
- Low Peak Pressure: Off, 1 – 60 cmH₂O
- Low Minute Volume: Off, 0 – 99 liters
- Alarm Volume: 60 – 85 dBA at 1 meter
- Alarm Silence/Reset: 60 seconds
- Ventilator Inoperative: Red LED, audible alarm
- High Rate Alarm: Off, 5 – 80 bpm
- High PEEP Alarm: Off, 3 – 40 cmH₂O

Packing:

- **Dimension** : 81 x 23 x 30 cm
- **Weight** : 6.1 kg

• Fixed Alarms

Disconnect/Sense Line
 Low & Lost External Power
 Low & Empty Internal Battery
 High & Low Oxygen Inlet Pressure

• Monitors and Indicators

Peak Inspiratory Pressure: 0 – 120 cmH₂O
 Mean Airway Pressure: 0 – 99 cmH₂O
 PEEP: 0 – 99 cmH₂O
 Total Breath Rate: 0 – 250 bpm
 Airway Pressure Display: -10 – 108 cmH₂O
 Exhaled Tidal Volume: 0 – 4000 ml
 Total Minute Volume: 0 – 99.9 liters
 I:E Ratio: 99:1 – 1:99
 Calculated Peak Flow: 10 – 100 lpm
 Patient Effort: Green LED

• Power Specifications : 11 – 15 VDC, 90 – 250 VAC, 47 – 63 Hz

• **Pneumatic Specifications:** Low Pressure O₂ Source: <80 lpm, <10 PSIG

• Environmental Specifications

Operating Temperature: 5° – 40°C (40° – 104°F)
 Storage Temperature: -20° – 60°C (-4° – 140°F)
 Operating Humidity: 15 – 95% relative
 Storage Humidity: 10 – 95% relative
 Shock Compliance: MIL-STD-810E
 Vibration Compliance: MIL-STD-810E

Model number
LTV-950

VYAIRE

PORTABLE VENTILATOR (REFURBISHED)

VENTILATOR



108

Feature

- Portable and lightweight ventilator for hospital, transport, and emergency use
- Suitable for infant, pediatric, and adult patients
- Supports both invasive and non-invasive ventilation
- Multiple ventilation modes for flexible patient management

Technical Specification

• Variable Alarms

Apnea interval: 10 to 60 sec
 High pressure limit: 5 to 100 cmH₂O
 Low peak pressure: Off, 1 to 60 cmH₂O
 Low minute volume: Off, 0.1 to 99 L
 High PEEP: Off, 3 to 20 cmH₂O above set PEEP
 Low PEEP: Off, -3 to -20 cmH₂O below set PEEP
 High rate: Off, 5 to 80 BPM
 Alarm volume: 60 to 85 dBA

• Controls

Power - On / Standby

Ventilation Modes :

- Control
- Assist/Control
- SIMV / CPAP
- NPPV

Breath Types - VC, PC, PS and spontaneous

Breath Rate - 0 to 80 BPM

Tidal Volume - 50 to 2,000 mL

Inspiratory Time - 0.3 to 9.9 sec

PC / PS / Spont. Flow - 160 LPM

Pressure Control - 1 to 99 cmH₂O

Pressure Support - 1 to 60 cmH₂O

Sensitivity - Off, 1 to 9 LPM

O₂ % - 21 to 100 %

O₂ Flush - 1 to 3 min

Low Pressure O₂ - On / Off

PEEP / CPAP - 0 to 20 cmH₂O

Inspiratory / Expiratory Hold - 6 sec max

Manual Breath - 1x current settings

Control Lock - Easy or hard unlock options

• Monitors and Indicators

Peak inspiratory pressure: 0 to 120 cmH₂O
 Mean airway pressure: 0 to 99 cmH₂O
 PEEP: 0 to 99 cmH₂O
 Breath rate: 0 to 250 BPM
 Airway pressure display: -10 to 108 cmH₂O
 Exhaled tidal volume: 0 to 4,000 mL
 Exhaled minute volume: 0 to 99.9 L
 I:E ratio: 99:1 to 1:99
 Calculated peak flow: 10 to 100 LPM
 AutoPEEP: 0 to 100 cmH₂O
 Static compliance: 1 to 999 mL/cmH₂O
 Patient effort: Green LED

• Fixed Alarms

Disconnect / sense
 External power low and lost
 High and low O₂ inlet pressure
 Internal battery low and empty
 Ventilator inoperative

Packing:

- **Dimension** : 13.5" x10.5"x 3.25"
- **Weight** : 6.5 kg

• Pneumatic Specifications

High pressure O₂ source: 40 to 80 PSIG (2.8 to 5.5 bar)
 Low pressure O₂ source: <80 LPM, <10 PSIG

• Power Indicators

External power: Green and amber LEDs
 Battery charge status: Green, amber and red LEDs
 Battery level: Green, amber and red LEDs

• Power Specifications

Ventilator input: 11 to 15 VDC
 AC adapter input: 100 to 250 VAC
 Frequency: 50 to 60 Hz

• Environmental Specifications

Operating temperature: 5 to 40°C (40 to 104°F)
 Storage temperature: -20 to 60°C (-4 to 140°F)
 Operating humidity: 15 to 95% relative
 Storage humidity: 10 to 95% relative
 Shock compliance: MIL-STD-810F
 Vibration compliance: MIL-STD-810F

Model number
LTV-1200

AEONMED PORTABLE VENTILATOR

VENTILATOR



109

Feature

- Suitable for adult, pediatric, and critical care applications
- Supports both volume-controlled and pressure-controlled ventilation
- Multiple ventilation modes for flexible patient management
- Advanced assist/control and SIMV support
- Built-in sigh function to help improve lung expansion

Technical Specification

• Ventilation Modes

A/C-V with sigh

A/C-P

SIMV-V

SIMV-P

• Parameters

Tidal Volume: 0–2000 ml

Respiration Rate:

- 1–120 bpm (A/C mode)
- 1–40 bpm (SIMV mode)
- I:E Ratio: 1:10–4:1
- FiO₂: 40%–100%

Trigger Sensitivity:

- Pressure trigger: -20 ~ 0 cmH₂O
- Flow Trigger: 2–30 L/min
- PEEP: 0–30 cmH₂O

• Monitoring

- Pressure Value: Ppeak, PEEP
- Volume / Flow Value: Vt, MV
- Time Value: ftotal
- Real Time Curves: Pressure-Time, Flow-Time

Packing:

- **Dimension** : 168 mm × 156 mm × 300 mm
- **Weight** : 8 kg

• Alarms

- Paw high
- Paw low
- MV high
- Gas supply down
- No VT
- FiO₂ high
- FiO₂ low
- Apnea
- Continuous pressure high / CP high
- EX power lost
- O₂ deficiency
- Battery low

• Technical Data

- Supply Gas: O₂, 0.25–0.6 MPa
- Power Supply: AC100–240 V, 50 Hz / 60 Hz, ≤65 VA
- Screen Size: 5" LCD Screen
- Maximum Security Pressure: ≤8 kPa
- Compliance: ≤4 ml / 100 Pa
- Battery Operating Time: Approx. 4.5 h

Model number

SHANGRILA 510S

AEONMED VENTILATOR

VENTILATOR



110

Feature

- Advanced ventilator suitable for ICU, critical care, and emergency use
- Supports invasive and non-invasive ventilation
- Wide range of ventilation modes for diverse clinical needs
- Assist/Control, SIMV, CPAP, and spontaneous breathing support
- Compatible with adult and pediatric patients

Technical Specification

• Ventilation Modes

VCV (A/C), PCV (A/C), STANDBY
SIMV (VCV+PSV), SIMV (PRVC+PSV)
SPONT/CPAP+PSV
NIV/CPAP, NIV-T, NIV-ST

• Enhancements

Apnea ventilation
Pressure and Flow trigger
Automatic Tube Compensation (ATC)
Smart suction
Manual breath
Insp/Exphold
Screen freeze
Nebulization
Lung recruitment

• Screen

12.1" TFT color touch screen

Ventilator Packing:

- **Dimension** : 750 mm × 750 mm × 750 mm
- **Weight** : 18 kg

Trolley Packing:

- **Dimension** : 1000 mm × 800 mm × 300 mm
- **Weight** : 20 kg

• Parameters

Tidal volume (VT): 20–2000 ml

Respiratory rate (RR): 1 to 80 bpm

Inspiratory time (Ti): 0.2 to 9 s (adult), 0.2 to 5 s (pediatric)

Inspiratory flow (Flow): 0 to 100 L/min (pediatric), 0 to 180 L/min (adult)

Inspiratory pressure (P_{insp}): 5 to 70 mbar (or cmH₂O)

Inspiratory pressure limit (P_{max}): 80 mbar (or cmH₂O)

PEEP: 0 to 35 mbar (or cmH₂O)

T slope: 0 to 2 s

O₂ concentration (FiO₂): 21 to 100 Vol%

Trigger sensitivity:

0.5 to 20 L/min (flow trigger)

-20 to 0 mbar (or cmH₂O) (pressure trigger)

I:E ratio: 1:10 to 4:1

Apnea alarm time: 10–60 seconds

• Monitoring

Pressure values: P_{plat}, P_{peak}, P_{mean}, P_{min}, PEEP

Volume/Flow values: V_{Ti}, V_{Te}, MV, M_{Ve}, MV_{spont}

Time values: f_{total}, f_{spont}, I:E

Inspiratory O₂ concentration (FiO₂), End-expiratory CO₂ concentration (etCO₂)

Compliance (dynamic & static), Resistance (R), M_{Veak}, RSBI, WOB, I:E, V_{daw}, PEEPi

Pressure-Volume loop, Pressure-Flow loop, Flow-Volume loop

• Alarms

Expiratory minute volume (MV)

High/Low

Airway pressure (Paw) High/Low

V_{Te} Low

PEEP High/Low

Insp. O₂ concentration (FiO₂) High/Low

End-expiratory CO₂ concentration

(etCO₂) High/Low

f_{spont} High

Apnea alarm

Disconnection

Flow sensor error

Gas supply

Electrical supply & battery failure

Exhalation obstruction

Apnea backup for low frequency alarm

Model number

VG70

GE VENTILATOR (REFURBISHED)

VENTILATOR



111

ALIS
PRO

Feature

- One ventilator for Adult and Pediatric care
- Wide range of advanced ventilation modes for all ICU needs
- High-resolution touchscreen with intuitive user interface
- Supports lung-protective ventilation strategies
- Integrated NIV with leak compensation
- Real-time waveforms, loops, and trends for better clinical decisions
- Smart alarm management for enhanced patient safety
- Reliable battery backup for uninterrupted operation
- Compact and mobile design suitable for ICU environments
- Trusted GE Healthcare technology for critical care ventilation

Technical Specification

- Advanced ICU ventilator suitable for Adult and Pediatric
- Supports invasive and non-invasive ventilation
- Ventilation modes include A/C VC, A/C PC, A/C PRVC, SIMV (VC/PC/PRVC), CPAP/PS, APRV, BiLevel, Volume Support, SBT, NIV
- Tidal volume range: 2 mL to 2000 mL
- Respiratory rate: Up to 150 breaths per minute
- FiO₂ range: 21% to 100%
- PEEP range: Up to 50 cm H₂O
- Precise control of pressure, flow, volume, inspiratory/expiratory timing, trigger sensitivity, and pressure support
- Real-time monitoring of airway pressure, tidal volume, minute volume, flow, compliance, resistance, oxygen
- 15-inch full-color touchscreen display with waveforms, loops, trends, and numeric data
- Integrated alarm system with auto-calculated limits and escalating priority alerts
- Built-in battery backup up to 85 minutes
- Operates on single gas supply (air/oxygen) with emergency air valve
- Complies with ISO 80601-2-12 standards for critical care ventilators
- Suitable for ICU, CCU, Emergency, and Critical Care Units

Ventilator Dimension

- 1450 mm(L) x 540 mm(W) x 680 mm(H)
- Wheel Base: ~550 x 600 mm
- Caster Wheels: 4 heavy-duty medical castors (2 with brakes)

Model number
R860

GE UNIVERSAL VENTILATOR (REFURBISHED)

VENTILATOR



112

Feature

- One ventilator for Adult, Pediatric & Neonatal care
- Wide range of advanced ventilation modes for all ICU needs
- High-resolution touchscreen with intuitive user interface
- Supports lung-protective ventilation strategies
- Integrated NIV with leak compensation
- Real-time waveforms, loops, and trends for better clinical decisions
- Smart alarm management for enhanced patient safety
- Reliable battery backup for uninterrupted operation
- Compact and mobile design suitable for ICU environments
- Trusted GE Healthcare technology for critical care ventilation

Technical Specification

- Advanced ICU ventilator suitable for Adult, Pediatric, and Neonatal patients
- Supports invasive and non-invasive ventilation
- Ventilation modes include A/C VC, A/C PC, A/C PRVC, SIMV (VC/PC/PRVC), CPAP/PS, APRV, BiLevel, Volume Support, SBT, NIV
- Tidal volume range: 2 mL to 2000 mL
- Respiratory rate: Up to 150 breaths per minute
- FiO₂ range: 21% to 100%
- PEEP range: Up to 50 cm H₂O
- Precise control of pressure, flow, volume, inspiratory/expiratory timing, trigger sensitivity, and pressure support
- Real-time monitoring of airway pressure, tidal volume, minute volume, flow, compliance, resistance, oxygen
- 15-inch full-color touchscreen display with waveforms, loops, trends, and numeric data
- Integrated alarm system with auto-calculated limits and escalating priority alerts
- Built-in battery backup up to 85 minutes
- Operates on single gas supply (air/oxygen) with emergency air valve
- Complies with ISO 80601-2-12 standards for critical care ventilators
- Suitable for ICU, CCU, Emergency, and Critical Care Units

Ventilator Dimension

- 1450 mm(L) x 540 mm(W) x 680 mm(H)
- Wheel Base: ~550 x 600 mm
- Caster Wheels: 4 heavy-duty medical castors (2 with brakes)

Model number
R860-U

VYAIRE UNIVERSAL VENTILATOR (REFURBISHED)

VENTILATOR



113

Feature

- Suitable for neonatal, pediatric, and adult patients
- Supports invasive and non-invasive ventilation with multiple modes
- Advanced APRV / BiPhasic ventilation capability
- Intelligent automated maneuvers and apnea backup for patient safety
- Integrated volumetric capnography and trend monitoring
- High-accuracy proximal flow sensing for precise ventilation
- User-friendly interface with reliable internal battery backup

Technical Specification

• Primary Settings

- Rate: 1–150 bpm (neonatal, pediatric), 1–120 bpm (adult)
- Tidal Volume: 2.0 mL–2.5 L
- Inspiratory Pressure: 0–80 cmH₂O (neonatal), 0–90 cmH₂O (adult, pediatric)
- Peak Flow: 0.4–150 L/min
- Inspiratory Time: 0.15–5.0 sec
- Pressure Support Ventilation (PSV): 0–80 cmH₂O (neonatal), 0–90 cmH₂O (adult, pediatric)
- PEEP: 0–50 cmH₂O
- Flow Trigger: 0.1–20 L/min
- O₂: 21–100%
- Pressure High (in APRV/BiPhasic mode): 0–90 cmH₂O
- Time High (in APRV/BiPhasic mode): 0.2–30 sec
- Time Low (in APRV/BiPhasic mode): 0.2–30 sec
- Pressure Low (in APRV/BiPhasic mode): 0–45 cmH₂O

• Advanced Gas Blending System

- Air/oxygen Blending: 21–100%
- Internal Heliox Blending System: All concentrations from 80/20 helium/oxygen to 0/100 helium/oxygen

• Advanced Patient Monitoring

- Proximal hot wire flow sensor
- 24-hour trending of monitored respiratory parameters
- Volumetric capnography

Ventilator with Trolley

- **Dimension** : Approx. 550 (W) × 650 (D) × 1350 (H) mm
- **Weight** : Approx. 95–105 kg

• Maneuvers

- AutoPEEP Airway: 0–50 cmH₂O (automated)
- MIP/P100: –60 to 120 cmH₂O (automated)
- Slow Flow (Pflex): Automated

Advanced Settings

- Bias Flow: 0.4–5.0 L/min
- Volume Limit: 2.0 mL–2.5 L
- Inspiratory Rise: 1–9
- Flow Cycle: Off to 45%
- PSV Rise: 1–9
- PSV Cycle: 5–45%
- PSV TMAX: 0.15–5.0 sec
- Waveform: Square, decelerating
- Sigh: On/Off*

- Pressure Trigger: 0.1–20 cmH₂O
- Demand Flow: On/Off
- Volumetric Capnography:
- EtCO₂ averaging 1 or 8 breaths
- VCO₂ averaging 3, 6, 9 or 12 minutes

• Modes

- Mode Type: A/C, SIMV, CPAP/PSV, NPPV, nCPAP/IMV
- Breath Type: APRV/BiPhasic, Volume, Pressure, TCPL, PRVC, Volume Guarantee
- Apnea Backup: Volume, Pressure, TCPL

• Manual Controls

- Manual Breath: One breath
- Expiratory Hold: Max. 20 sec (adult, pediatric), 3 sec (neonatal)
- Inspiratory Hold: Max. 3 sec
- Increase O₂: Set percentage O₂ + 0–79% O₂
- Synchronized Nebulizer: Available when delivered flow ≥ 15 L/min
- Disconnect for Suction: Active

Model number

AVEA

Macquet VENTILATOR

VENTILATOR



114

Feature

- The Getinge Servo-i ventilator offers a broad range of invasive and non-invasive modes
- Volume Control (VC)
- Pressure Control (PC)
- Pressure Regulated Volume Control (PRVC)
- Spontaneous Breathing modes like Pressure Support (PS), often combined with SIMV (Synchronized Intermittent Mandatory Ventilation) for weaning, plus features like Automode for seamless transitions and advanced tools like the Stress Index.

Standard Configuration:

Modes cover controlled (VC, PC, PRVC), supported (PS), and combined (SIMV-VC+PS, SIMV-PC+PS, SIMV-PRVC+PS, Automode) options, allowing clinicians to tailor support from full control to assisted spontaneous breathing for adults, pediatrics, and neonates.

Packaging

- Height: approx. 1350–1450 mm (including monitor)
- Width: approx. 550–600 mm
- Depth: approx. 600–650 mm
- Net Weight: approx. approx. 60–70 kg

Model number
SERVO-I

ALIS PRO

ANESTHESIA WORKSTATION

ANESTHESIA



115

Feature

- Integrated anesthesia workstation with built-in ventilator for smooth and reliable operation
- Advanced safety system with oxygen failure warning, hypoxia protection, and nitrous cut-off
- User-friendly design with clear gas flow indicators, easy controls, and emergency oxygen flush
- Durable, stable construction with stainless steel work surface and ample storage drawers
- Flexible open-to-closed circuit changeover suitable for a wide range of surgical procedures

Technical Specification

- **Structure:** Rigid structure electro-statically powder coated.
- **Storage Space:** Three spacious drawers provided for storage of anesthesia accessories, equipment, etc.
- **Monitor Shelf:** Large monitor shelf at eye level provided.
- **Cylinder Yokes:** Gas-specific pin-indexed yokes for holding 2 Nos. O₂ and 1 No. N₂O cylinders of 5-litre water capacity.
- **Hypoxia Guard:** Ensures that at least 25% oxygen is always maintained in the breathing circuit/gas mixture.
- **Rotameter:** Three-tube rotameter for O₂, N₂O and Air (5-tube cascade type optional).
- **Non-Return Cum Pressure Relief Valve:** Minimizes the risk of backflow and blow-off when pressure exceeds 125 cm H₂O.
- **Regulators:** Separate regulators for each pin-indexed yoke (2 Nos. O₂ and 1 No. N₂O).
- **Second Stage Regulator:** Provided for better safety and stability of the system.
- **Oxygen Flush:** Oxygen flush provided for emergency oxygen (35-40 Ltr/min).
- **O₂ Failure Warning Device:** Self-activated audio warning device to indicate O₂ pressure drop below 2.5 bar.
- **Nitrous Cut-Off:** Ensures N₂O cut-off if oxygen supply falls below 2.5 bar.
- **Common Gas Outlet (CGO):** Conveniently located CGO with ISO standard tapers of 22 mm & 15 mm.
- **Pipeline Gas Inlets:** Non-interchangeable quick-connection pipeline inlets – one each for O₂, N₂O and Air.
- **Pressure Gauges:** Large diameter, colour-coded gauges fitted for better visibility and clarity (one each for pin-indexed yokes and corresponding pipeline gas inlets).
- **Selectatec Manifold:** Twin Selectatec type manifold/block for mounting vaporizers.
- **Table Top:** Stainless steel table top for writing and keeping medicines.
- **Anaesthesia Ventilator:** Inbuilt / Integrated anaesthesia ventilator.
- **Close Circuit:** Closed circuit / Circle absorber single canister (twin canister optional).
- **Changeover Unit:** Easy changeover from open to closed circuit.

Packing

- **Dimension:** 1375 × 600 × 600 mm
- **Weight:** 120 kg (approx.)

Ventilator – Technical Specifications

- Tidal Volume: 40 – 1200 mL
- Frequency: 8 – 40 bpm
- I:E Ratio: 3:1 – 1:3.0
- Pressure Limit: 65 cm H₂O
- Airway Pressure: 5 – 100 cm H₂O
- Trigger: 1 – 10 cm H₂O
- Drive Mode: Pneumatically driven and microprocessor controlled
- Battery Backup: 90 minutes

Alarms

- Low Gas Supply
- High Airway Pressure
- Disconnection
- Low Battery

Anesthesia Vaporizers (ISOFLURANE)

- **Feature** – Calibrated concentration control, high safety
- **Dimension (L*W*H)** – 90 x 185 x 197 mm Millimeter (mm)
- **Material** – Aluminium
- **Display** – Analog concentration scale
- **Advantage** – Precision delivery of gaseous anesthetic agents
- **Weight** – 7.00 Kilogram

Model number

AL-PR-FB

ALIS PRO

ANESTHESIA WORKSTATION

ANESTHESIA



116

Feature

- large touch screen, multiple monitoring waveforms and parameters in different colors
- VCV, PCV, V-SIMV, P-SIMV, MANUAL, Standby modes to meet all ventilation requirements
- 5-tube / 3-tube flow meters for 3-gas and 2-gas sources, suitable for various operations
- P-T, P-T graphs for clear interpretation of ventilation effectiveness
- Low-flow ventilation compatible
- Electrostatically powder-coated metal structure
- Adult & Pediatric compatible
- Hypoxia guard / ORC equipped
- Integrated CO₂ absorption system equipped
- PEEP obtained & displayed

Technical Specification

• Environmental Specification

Storage temperature: -20°C to +55°C
Working temperature: +10°C to +40°C
Storage humidity: 93%

• Electrical Specification

Mains: 100-240 V, 50/60 Hz
Battery: 12V DC, minimum 120 minutes
Mains outlet: 2

• Pneumatic Specification

Gas supply: 0.28-0.6 MPa

• Flowmeters:

O₂: 0-1 L/min; 1-10 L/min
N₂O: 0-1 L/min; 1-12 L/min
Air: 0-15 L/min

• Gas system:

- Oxygen supply failure alarm
- Oxygen supply failure protection
- O₂ flush: 25-75 L/min
- Working mode: Closed, Semi-closed, Semi-open
- Driven mode: Pneumatically driven & electronically controlled
- Safety valve: 6 kPa
- Operating mode: Manual / Ventilation
- Cylinder yokes: O₂ - 2 Nos., N₂O - 1 No.
- Alarm System

High airway pressure / low airway pressure
High minute volume / low minute volume
High FiO₂ / low FiO₂ (when FiO₂ function enabled)
O₂ supply failure, apnea, etc.
Alarm silence: 120 seconds

Packing

- Dimension: 1356 × 845 × 620 mm
- Weight: 125 kg (Approx., basic unit)

• Ventilation Specification

Patient type: Adult, Pediatric
Ventilation modes: VCV, PCV, V-SIMV, P-SIMV, PSV (optional), Manual, Standby
Setting: Mode selection knob & touch screen
Tidal volume: 20-1500 ml
Ventilation frequency: 6-100 bpm
I:E ratio: 4:1 - 1:4
PEEP: 0-20 cmH₂O (optional)
Inspiratory plateau: OFF, 5%-60%
Pressure trigger: 0 to -20 cmH₂O
Pressure range: 5-70 cmH₂O

• Monitoring & Display

Display: 7" color touch screen

Displayed parameters:

- Pressures: Ppeak, PEEP
- Volumes: MV, VT
- Breath rate
- I:E ratio
- P-T %
- FiO₂ (optional)

Graph display: P-T, Flow waveforms

Anesthesia Vaporizers((ISOFLURANE))

- Feature - Calibrated concentration control, high safety
- Dimension (L*W*H) - 90 x 185 x 197 mm Millimeter (mm)
- Material - Aluminium
- Display - Analog concentration scale
- Advantage - Precision delivery of gaseous anesthetic agents
- Weight - 7.00 Kilogram

Model number

AL-PR-MB

ALIS PRO

ANESTHESIA WORKSTATION

ANESTHESIA



117

Feature

- large touch screen, multiple monitoring waveforms and parameters in different colors
- VCV, PCV, V-SIMV, P-SIMV, MANUAL, Standby modes to meet all ventilation requirements
- 5-tube / 3-tube flow meters for 3-gas and 2-gas sources, suitable for various operations
- P-T, P-T graphs for clear interpretation of ventilation effectiveness
- Low-flow ventilation compatible
- Electrostatically powder-coated metal structure
- Adult & Pediatric compatible
- Hypoxia guard / ORC equipped
- Integrated CO₂ absorption system equipped
- PEEP obtained & displayed

Technical Specification

• Environmental Specification

Storage temperature: -20°C to +55°C
Working temperature: +10°C to +40°C
Storage humidity: 93%

• Electrical Specification

Mains: 100-240 V, 50/60 Hz
Battery: 12V DC, minimum 120 minutes
Mains outlet: 2

• Pneumatic Specification

Gas supply: 0.28-0.6 MPa

• Flowmeters:

O₂: 0-1 L/min; 1-10 L/min
N₂O: 0-1 L/min; 1-12 L/min
Air: 0-15 L/min

• Gas system:

- Oxygen supply failure alarm
- Oxygen supply failure protection
- O₂ flush: 25-75 L/min
- Working mode: Closed, Semi-closed, Semi-open
- Driven mode: Pneumatically driven & electronically controlled
- Safety valve: 6 kPa
- Operating mode: Manual / Ventilation
- Cylinder yokes: O₂ - 2 Nos., N₂O - 1 No.
- Alarm System

High airway pressure / low airway pressure
High minute volume / low minute volume
High FiO₂ / low FiO₂ (when FiO₂ function enabled)
O₂ supply failure, apnea, etc.
Alarm silence: 120 seconds

Packing

- Dimension: 1356 × 845 × 620 mm
- Weight: 125 kg (Approx., basic unit)

• Ventilation Specification

Patient type: Adult, Pediatric
Ventilation modes: VCV, PCV, V-SIMV, P-SIMV, PSV (optional), Manual, Standby
Setting: Mode selection knob & touch screen
Tidal volume: 20-1500 ml
Ventilation frequency: 6-100 bpm
I:E ratio: 4:1 - 1:4
PEEP: 0-20 cmH₂O (optional)
Inspiratory plateau: OFF, 5%-60%
Pressure trigger: 0 to -20 cmH₂O
Pressure range: 5-70 cmH₂O

• Monitoring & Display

Display: 7"
Displayed parameters:
Pressures: Ppeak, PEEP
Volumes: MV, VT
Breath rate
I:E ratio
P-T %
FiO₂ (optional)

Graph display: P-T, Flow waveforms

Anesthesia Vaporizers((ISOFLURANE))

- Feature - Calibrated concentration control, high safety
- Dimension (L*W*H) - 90 x 185 x 197 mm Millimeter (mm)
- Material - Aluminium
- Display - Analog concentration scale
- Advantage - Precision delivery of gaseous anesthetic agents
- Weight - 7.00 Kilogram

Model number

AL-WS

ALIS PRO ANESTHESIA MACHINE

ANESTHESIA



118

Feature

- Strong and durable steel body with smooth finish for long-term hospital use
- Easy mobility with lockable wheels for safe positioning during procedures
- Safe gas delivery system with built-in protection against gas backflow and oxygen failure
- Smooth and accurate gas flow control for reliable anesthesia delivery
- User-friendly design with emergency oxygen flush and organized workspace

Technical Specification

- **Structure:** Square tubular electrostatic powder coated steel sections.
- **Top Tray:** Rigid top tray for monitor.
- **Table Top:** Stainless Steel.
- **Drawer:** One / Two large storage drawer.
- **Cylinder Yokes:** Gas specific yokes & gauges with clamping bars, dual for Oxygen and one for Nitrous Oxide.
- **Mobility:** Four large diameter anti static caster wheels with ball bearings, front casters have brakes.
- **Pressure Gauges:** Two for O₂ & one for N₂O cylinders pressure & one O₂ line pressure.
- **Regulators:** For higher efficiency & reliability two for Oxygen & one for Nitrous Oxide.
- **Non-return cum pressure release valve:** Minimizes risk of back flow of gases, blows off when pressure exceeds 200 cm H₂O.
- **Oxygen Failure Warning Device:** Pneumatic device which activates audible alarm (for minimum 10 seconds) when Oxygen supply pressure falls to 205 kPa.
- **Flowmeters:** Long (upto 260 mm), rotating bobbin flow meters calibrated in double/triple scale, antistatic & non-interchangeable.

Oxygen: 100 ml/min. to 10 liters/min.

Nitrous Oxide: 100 ml/min. to 12 liters/min.

(Oxygen being a preferred gas kept on downstream of other gas.)

- **Oxygen Flush:** Emergency Oxygen flush outlet on table level (36–50 lit./min.).
- **Change Over Unit:** Change over unit is provided for open or close circuit.
- **Breathing Circuit:** Standard Bain circuit.
- **Nitrous Cut-off:** Provide Nitrous cut-off system prevents risk of administering 100% Nitrous Oxide in absence of Oxygen pressure.

Anesthesia Vaporizers((ISOFLURANE))

- **Feature** - Calibrated concentration control, high safety
- **Dimension (L*W*H)** - 90 x 185 x 197 mm Millimeter (mm)
- **Material** - Aluminium
- **Display** - Analog concentration scale
- **Advantage** - Precision delivery of gaseous anesthetic agents
- **Weight** - 7.00 Kilogram

Packing

- **Dimension:** 1356 × 845 × 620 mm
- **Weight:** 125 kg (Approx., basic unit)

Model number

AL-AS

ALIS PRO

ANESTHESIA TROLLEY / BOYLES APPARATUS

SS 1+1(2 CYLINDER)



ANESTHESIA TROLLEY

119

Feature

- Premium stainless-steel body with an elegant, professional finish
- Smooth and accurate anaesthetic delivery for safe patient care
- Clear and easy-to-read controls for quick operation
- Enhanced safety with built-in oxygen failure protection
- Convenient tabletop workspace with organized storage for medicines
- Durable gas regulators designed for reliable long-term use
- Backflow protection system for added safety during procedures
- Spacious drawer for easy access to anaesthesia accessories
- Easy mobility with stable, antistatic wheels and secure braking
- Option to upgrade with advanced vaporizers as per clinical need

Technical Specification

- Construction: Stainless steel
- One "O₂" Non- Interchangeable Pin-Index Yoke With Pressure Gauge & Preset Regulator.
- Extra O₂ Inlet Given Forward Cylinder Connection.
- One "N₂o" Non Interchangeable Pin-Index Yoke With Pressure Gauge & N₂o Cut-Off System Regulator.
- Metal Tubing Terminated For Connection Of Apparatus.
- 9" Rotameter With O₂ & N₂o Glass Flowmeter Tubes (O₂-100 MI To 8 Lts/Min. N₂o:-200 MI To 12 Lts/Min.)
- Space For Installing Vaporizer.
- Press Type Emergency O₂ Knob Cum Outlet.
- Can Be Used 1 No. Ward Cylinder At Back Of Apparatus.
- All Accessories are optional

Packing:

- Height: Approx. 1450 mm
- Width: Approx. 550 mm
- Depth: Approx. 500 mm
- Weight: ~45 kg

Model number

AL-BAS101

ALIS PRO

ANESTHESIA TROLLEY / BOYLES APPARATUS

SS 2 + 2 (4 CYLINDER)



ANESTHESIA TROLLEY

120

Feature

- Premium stainless-steel body with an elegant, professional finish
- Smooth and accurate anaesthetic delivery for safe patient care
- Clear and easy-to-read controls for quick operation
- Enhanced safety with built-in oxygen failure protection
- Convenient tabletop workspace with organized storage for medicines
- Durable gas regulators designed for reliable long-term use
- Backflow protection system for added safety during procedures
- Spacious drawer for easy access to anaesthesia accessories
- Easy mobility with stable, antistatic wheels and secure braking
- Option to upgrade with advanced vaporizers as per clinical need

Technical Specification

- Construction: Stainless steel
- Pressure Gauges: Two each for O₂ & N₂O cylinders pressure and one each for O₂ & N₂O line pressure
- Oxygen Failure Warning Device: Pneumatic device which activates audible alarm (for minimum 10 seconds) when Oxygen supply pressure falls to 205 kPa.
- Vaporizers: Space for three Vaporizers provided as per standard.
- Oxygen Flush: Emergency Oxygen flush outlet button at table level. (36–50 lit./min.)
- Change Over Unit: Change over unit provided for open or close circuit.
- Nitrous Cut-off: Nitrous cut-off system prevents risk of administering 100% Nitrous Oxide in absence of Oxygen pressure.
- All Accessories are optional

Packing:

- Height: Approx. 1450 mm
- Width: Approx. 600 mm
- Depth: Approx. 500 mm
- Weight: ~55 kg

Model number

AL-BAS202

ALIS PRO

ANESTHESIA TROLLEY / BOYLES APPARATUS

MS 1+1 (2 CYLINDER)



ANESTHESIA TROLLEY

Feature

- Strong and stable trolley design suitable for operation theatre use
- Smooth movement with lockable wheels for safe and easy positioning
- Clear gas flow display for better visibility and control during use
- User-friendly layout with convenient working height and storage space
- Designed for safe, reliable, and comfortable anesthesia support

Technical Specification

- A Compact M.S. Powder Coated Structure With Heavy Base Castor Wheels .
- One "O₂" Non- Interchangeable Pin-Index Yoke With Pressure Gauge & Preset Regulator.
- Extra O₂ Inlet Given Forward Cylinder Connection.
- One "N₂o" Non Interchangeable Pin-Index Yoke With Pressure Gauge & N₂o Cut-Off System Regulator.
- Metal Tubing Terminated For Connection Of Apparatus.
- 9" Rotameter With O₂ & N₂o Glass Flowmeter Tubes (O₂-100 MI To 8 Lts/Min. N₂o:-200 MI To 12 Lts/Min.)
- Space For Installing Vaporizer.
- Press Type Emergency O₂ Knob Cum Outlet.
- Can Be Used 1 No. Ward Cylinder At Back Of Apparatus.
- All Accessories are optional

Packing:

- Height: Approx. 1500 mm
- Width: Approx. 600 mm
- Depth: Approx. 500 mm
- Weight: ~55 kg

121

Model number

AL-BAM101

ALIS PRO

ANESTHESIA TROLLEY / BOYLES APPARATUS

MS 2 + 2 (4 CYLINDER)



ANESTHESIA TROLLEY

122

Feature

- Dual pressure gauges for accurate monitoring of oxygen and nitrous oxide supply
- Oxygen failure alarm ensures patient safety with audible warning during low pressure
- Supports multiple vaporizers for flexible anesthesia delivery
- Emergency oxygen flush provides instant high-flow oxygen when required
- Built-in safety system prevents nitrous oxide delivery without oxygen pressure

Technical Specification

- Pressure Gauges: Two each for O₂ & N₂O cylinders pressure and one each for O₂ & N₂O line pressure
- Oxygen Failure Warning Device: Pneumatic device which activates audible alarm (for minimum 10 seconds) when Oxygen supply pressure falls to 205 kPa.
- Vaporizers: Space for three Vaporizers provided as per standard.
- Oxygen Flush: Emergency Oxygen flush outlet button at table level. (36–50 lit./min.)
- Change Over Unit: Change over unit provided for open or close circuit.
- Nitrous Cut-off: Nitrous cut-off system prevents risk of administering 100% Nitrous Oxide in absence of Oxygen pressure.
- All Accessories are optional

Packing:

- Height: Approx. 1400 mm
- Width: Approx. 600 mm
- Depth: Approx. 500 mm
- Weight: ~60 kg

Model number

AL-BAM202

ALIS PRO

BOYLES ANAESTHESIA MACHINE

VAPORIZER + ABSORBER + CIRCUIT

SS 2 + 2 (4 CYLINDER)



ANESTHESIA TROLLEY

123

Feature

- Premium stainless-steel body with an elegant, professional finish
- Smooth and accurate anaesthetic delivery for safe patient care
- Clear and easy-to-read controls for quick operation
- Enhanced safety with built-in oxygen failure protection
- Convenient tabletop workspace with organized storage for medicines
- Durable gas regulators designed for reliable long-term use
- Backflow protection system for added safety during procedures
- Spacious drawer for easy access to anaesthesia accessories
- Easy mobility with stable, antistatic wheels and secure braking
- Option to upgrade with advanced vaporizers as per clinical need

Technical Specification

- Construction: Stainless steel
- Pressure Gauges: Two each for O₂ & N₂O cylinders pressure and one each for O₂ & N₂O line pressure
- Oxygen Failure Warning Device: Pneumatic device which activates audible alarm (for minimum 10 seconds) when Oxygen supply pressure falls to 205 kPa.
- Vaporizers: Space for three Vaporizers provided as per standard.
- Oxygen Flush: Emergency Oxygen flush outlet button at table level. (36–50 lit./min.)
- Change Over Unit: Change over unit provided for open or close circuit.
- Nitrous Cut-off: Nitrous cut-off system prevents risk of administering 100% Nitrous Oxide in absence of Oxygen pressure.
- All Accessories are optional

Packing:

- Height: Approx. 1450 mm
- Width: Approx. 600 mm
- Depth: Approx. 500 mm
- Weight: ~65 kg

Model number

AL-ATS-VAC

ALIS PRO

BOYLES ANAESTHESIA MACHINE

VAPORIZER + ABSORBER + CIRCUIT

MS 2 + 2 (4 CYLINDER)



ANESTHESIA TROLLEY

124

Feature

- Dual pressure gauges for accurate monitoring of oxygen and nitrous oxide supply
- Oxygen failure alarm ensures patient safety with audible warning during low pressure
- Supports multiple vaporizers for flexible anesthesia delivery
- Emergency oxygen flush provides instant high-flow oxygen when required
- Built-in safety system prevents nitrous oxide delivery without oxygen pressure

Technical Specification

- Pressure Gauges: Two each for O₂ & N₂O cylinders pressure and one each for O₂ & N₂O line pressure
- Oxygen Failure Warning Device: Pneumatic device which activates audible alarm (for minimum 10 seconds) when Oxygen supply pressure falls to 205 kPa.
- Vaporizers: Space for three Vaporizers provided as per standard.
- Oxygen Flush: Emergency Oxygen flush outlet button at table level. (36–50 lit./min.)
- Change Over Unit: Change over unit provided for open or close circuit.
- Nitrous Cut-off: Nitrous cut-off system prevents risk of administering 100% Nitrous Oxide in absence of Oxygen pressure.
- All Accessories are optional

Packing:

- Height: Approx. 1400 mm
- Width: Approx. 600 mm
- Depth: Approx. 500 mm
- Weight: ~70 kg

Model number
AL-ATM-VAC

ALIS PRO

CAUTERY MACHINE 400WATT



CAUTERY MACHINE

Feature

- Advanced microprocessor-controlled electrosurgical unit
- Supports Monopolar and Bipolar surgical modes
- Digital power display with precise output control
- Patient safety alarm system with return electrode monitoring
- Compatible with hand switch and foot switch
- Robust metal cabinet suitable for OT and continuous use

Technical Specification

- Output Frequency: Mono-polar generator 500 kHz \pm 25 kHz
- Pure Cut: 400 W / 500 Ohms load
- Blend I Cut: 300 W / 500 Ohms load
- Blend II Cut: 225 W / 500 Ohms load
- Coagulation: 160 W / 500 Ohms load
- Bipolar Coagulation: 100 W / 125 Ohms load
- Spray Coagulation: 100 W / 125 Ohms load
- Power Supply: 220-240V AC, 50/60 Hz
- Patient Plate Monitoring: Yes (REM / contact quality monitoring).

Packing:

- Dimensions (Approx.) : (L x W x H): 550 x 550 x 300 mm
- Gross Weight: 10 - 12 kg (approx.)

125

Packing Box Content

- Main Unit - 1 Qty
- Surgical Handle : 01 No.
- Foot Switch : 01 No.
- Inactive Plate (Patient Plate) : 01 No.
- Bipolar Tweezer Forceps (Blue Color)
- Cable : 01 No.
- Main Power Cable : 01 No.

Model number
AL-CM400

ALIS PRO

CAUTERY MACHINE 300WATT



CAUTERY MACHINE

126

Feature

- Advanced microprocessor-controlled electrosurgical unit
- Supports Monopolar and Bipolar surgical modes
- Digital power display with precise output control
- Patient safety alarm system with return electrode monitoring
- Compatible with hand switch and foot switch
- Robust metal cabinet suitable for OT and continuous use

Technical Specification

- Output Frequency: 500 kHz \pm 25 kHz
- Pure Cut: 300 W / 500 Ohms
- Blend I Cut: 225 W / 500 Ohms
- Blend II Cut: 180 W / 500 Ohms
- Coagulation: 140 W / 500 Ohms
- Bipolar Coagulation: 80 W / 125 Ohms
- Spray Coagulation: 80 W / 125 Ohms
- Power Supply: 220–240V AC

Packing:

- Dimensions (Approx.) : (L \times W \times H): 480 \times 500 \times 300 mm
- Gross Weight: 09 – 11 kg (approx.)

Packing Box Content

- Main Unit - 1 Qty
- Surgical Handle : 01 No.
- Foot Switch : 01 No.
- Inactive Plate (Patient Plate) : 01 No.
- Bipolar Tweezer Forceps (Blue Color)
- Cable : 01 No.
- Main Power Cable : 01 No.

Model number
AL-CM300

ALIS PRO

CAUTERY MACHINE 250WATT



CAUTERY MACHINE

127

Feature

- Advanced microprocessor-controlled electrosurgical unit
- Supports Monopolar and Bipolar surgical modes
- Digital power display with precise output control
- Patient safety alarm system with return electrode monitoring
- Compatible with hand switch and foot switch
- Robust metal cabinet suitable for OT and continuous use

Technical Specification

- Output Frequency: 500 kHz \pm 25 kHz
- Pure Cut: 250 W / 500 Ohms
- Blend I Cut: 200 W / 500 Ohms
- Blend II Cut: 160 W / 500 Ohms
- Coagulation: 120 W / 500 Ohms
- Bipolar Coagulation: 70 W / 125 Ohms
- Spray Coagulation: 70 W / 125 Ohms
- Power Supply: 220–240V AC

Packing:

- Dimensions (Approx.) : (L \times W \times H): 480 \times 500 \times 300 mm
- Gross Weight: 08 – 10 kg (approx.)

Packing Box Content

- Main Unit - 1 Qty
- Surgical Handle : 01 No.
- Foot Switch : 01 No.
- Inactive Plate (Patient Plate) : 01 No.
- Bipolar Tweezer Forceps (Blue Color)
- Cable : 01 No.
- Main Power Cable : 01 No.

Model number
AL-CM250

ALIS PRO

CAUTERY MACHINE 100WATT

CAUTERY MACHINE



128

Feature

- Advanced microprocessor-controlled electrosurgical unit
- Supports Monopolar and Bipolar surgical modes
- Digital power display with precise output control
- Patient safety alarm system with return electrode monitoring
- Compatible with hand switch and foot switch
- Robust metal cabinet suitable for OT and continuous use

Technical Specification

- Output Frequency: 500 kHz \pm 25 kHz
- Pure Cut: 100 W / 500 Ohms
- Blend Cut: 80 W / 500 Ohms
- Coagulation: 60 W / 500 Ohms
- Bipolar Coagulation: 50 W / 125 Ohms
- Power Supply: 220–240V AC
- Suitable for: Minor surgeries, clinics & dental procedures

Packing Box Content

- Main Unit - 1 Qty
- Surgical Handle : 01 No.
- Foot Switch : 01 No.
- Inactive Plate (Patient Plate) : 01 No.
- Bipolar Tweezer Forceps (Blue Color)
- Cable : 01 No.
- Main Power Cable : 01 No.

Packing:

- Dimensions (Approx.) : (L \times W \times H): 400 \times 350 \times 200 mm
- Gross Weight: 06 – 07 kg (approx.)

Model number
AL-CM100

ALIS PRO

VESSEL CAUTERY MACHINE 400WATT

CAUTERY MACHINE



129

Feature

- Advanced electrosurgical unit designed for precise cutting and effective coagulation
- Multiple cutting and coagulation modes for versatile surgical applications
- Bipolar and monopolar functions ensure controlled tissue interaction and safety
- High sealing capability supports efficient vessel sealing during procedures
- Clear digital display allows easy operation and real-time monitoring
- Compact, lightweight design suitable for OT use and easy mobility

Technical Specification

- Operating Frequency: 666 KHz
- MAX. POWER (WATTS) | RATED LOAD (OHMS)
- Pure Cut: 400 W | 500
- Blend 1: 300 W | 500
- Blend 2: 250 W | 500
- Endocut: 100 W | 500
- Coagulation
- Fulguration: 200 W | 500
- Spray: 150 W | 500
- Desiccation / Soft: 100 W | 500
- Bipolar
- Bipolar Coagulation Macro: 60 W | 100
- Bipolar Coagulation Micro: 99 W | 100
- Bipolar Coagulation & Cut: 40 W | 100
- Sealing Capability: 75 gsm to 10 mm | 500

Packing:

- Dimensions (W × H × D): 14" × 12" × 4.5"
- Weight: 5.0 kg

Model number

AL- VCM400

ALIS PRO

VESSEL CAUTERY MACHINE 400WATT

CAUTERY MACHINE



130

Feature

- Advanced electrosurgical unit designed for precise cutting and effective coagulation
- Multiple cutting and coagulation modes for versatile surgical applications
- Bipolar and monopolar functions ensure controlled tissue interaction and safety
- High sealing capability supports efficient vessel sealing during procedures
- Clear digital display allows easy operation and real-time monitoring
- Compact, lightweight design suitable for OT use and easy mobility

Technical Specification

- Operating Frequency: 666 KHz
- Display: FND Display
- MAX. POWER (WATTS) | RATED LOAD (OHMS)
- Pure Cut: 400 W | 500
- Blend 1: 300 W | 500
- Blend 2: 250 W | 500
- Endocut: 100 W | 500
- Coagulation
- Fulguration: 200 W | 500
- Spray: 150 W | 500
- Desiccation / Soft: 100 W | 500
- Bipolar
- Bipolar Coagulation Macro: 60 W | 100
- Bipolar Coagulation Micro: 99 W | 100
- Bipolar Coagulation & Cut: 40 W | 100
- Sealing Capability: 75 gsm to 10 mm | 500

Packing:

- Dimensions (W × H × D): 14" × 12" × 4.5"
- Weight: 5.0 kg

Model number

AL- SMART-V4

ALIS PRO

CAUTERY MACHINE 400WATT

CAUTERY MACHINE



Feature

- Designed for precise vessel sealing, cutting, and coagulation in a wide range of surgical procedures
- Delivers smooth and controlled energy output to minimize tissue damage and improve surgical safety
- Ensures effective hemostasis with reliable performance during long and complex surgeries
- User-friendly interface with easy controls for quick operation and surgeon convenience
- Suitable for both monopolar and bipolar applications, offering greater clinical flexibility
- Compact, durable design ideal for OT use in hospitals, clinics, and surgical centers

131

Technical Specification

MODE	PROGRAMS	POWER	LOAD	OPERATING FREQ.
PURE	99	400 W	500 Ω	480 Khz
BLEND 1	99	250 W	500 Ω	480 Khz
BLEND 2	99	200 W	500 Ω	480 Khz
ENDOCUT	99	99 %	500 Ω	480 Khz

COAG

SPRAY	99	120 W	500 Ω	480 Khz
FULGURATE	99	150 W	500 Ω	480 Khz
DESICCATE	99	150 W	500 Ω	480 Khz

BIPOLAR MODE

MODE	PROGRAMS	POWER	LOAD	OPERATING FREQ.
SOFT	99	80 W	300 Ω	480 Khz
FORCE	99	80 W	300 Ω	480 Khz
CUT	99	100 W	100 Ω	480 Khz

Packing:

- Width - 290 mm
- Height - 105 mm
- Depth - 260 mm
- Weight - 4000 g

Model number

AL-SMART4

ALIS PRO CAUTERY MACHINE 300WATT

CAUTERY MACHINE



Feature

- Designed for precise vessel sealing, cutting, and coagulation in a wide range of surgical procedures
- Delivers smooth and controlled energy output to minimize tissue damage and improve surgical safety
- Ensures effective hemostasis with reliable performance during long and complex surgeries
- User-friendly interface with easy controls for quick operation and surgeon convenience
- Suitable for both monopolar and bipolar applications, offering greater clinical flexibility
- Compact, durable design ideal for OT use in hospitals, clinics, and surgical centers

132

Technical Specification

MODE	POWER	LOAD	OPERATING FREQ.
PURE	300 W	500 Ω	480 Khz
BLEND 1	250 W	500 Ω	480 Khz
BLEND 2	200 W	500 Ω	480 Khz
BLEND 3	150 W	500 Ω	480 Khz
COAG			
MODE	POWER	LOAD	OPERATING FREQ.
SPRAY	120 W	500 Ω	480 Khz
FULGURATE	150 W	500 Ω	480 Khz
DESICCATE	150 W	500 Ω	480 Khz
BIPOLAR			
MODE	POWER	LOAD	OPERATING FREQ.
SOFT	80 W	300 Ω	480 Khz
FORCE	80 W	300 Ω	480 Khz

Packing:

- Width - 240 mm
- Height - 105 mm
- Depth - 260 mm
- Weight - 3000 g

Model number

AL-SMART3

ALIS PRO

CAUTERY MACHINE 250 WATT

CAUTERY MACHINE



Feature

- Designed for precise vessel sealing, cutting, and coagulation in a wide range of surgical procedures
- Delivers smooth and controlled energy output to minimize tissue damage and improve surgical safety
- Ensures effective hemostasis with reliable performance during long and complex surgeries
- User-friendly interface with easy controls for quick operation and surgeon convenience
- Suitable for both monopolar and bipolar applications, offering greater clinical flexibility
- Compact, durable design ideal for OT use in hospitals, clinics, and surgical centers

133

Technical Specification

MODE	POWER	LOAD	OPERATING FREQ.
PURE	250 W	500 Ω	480 Khz
BLEND 1	200 W	500 Ω	480 Khz
BLEND 2	150 W	500 Ω	480 Khz
BLEND 3	150 W	500 Ω	480 Khz

COAG			
MODE	POWER	LOAD	OPERATING FREQ.
SPRAY	80 W	500 Ω	480 Khz
FULGURATE	120 W	500 Ω	480 Khz
DESICCATE	100 W	500 Ω	480 Khz

BIPOLAR			
MODE	POWER	LOAD	OPERATING FREQ.
SOFT	70 W	300 Ω	480 Khz
FORCE	70 W	300 Ω	480 Khz

Packing:

- Width - 240 mm
- Height - 105 mm
- Depth - 260 mm
- Weight - 3000 g

Model number

AL-SMART2

ALIS PRO

PORTABLE X RAY MACHINE

X RAY MACHINE



Feature

- Provides consistent and reliable radiographic output for clear imaging
- Digital display ensures easy operation and accurate exposure control
- Mobile tube stand allows flexible positioning and smooth movement
- Full wave rectification enhances image quality with stable performance
- Built-in electronic overload protection ensures safe and long-term use
- Designed for dependable performance in clinics, hospitals, and diagnostic centers

Technical Specification

- Radiography Rating: 25–100 mA
- Output: 8 kW
- Rectification: Full Wave Rectified
- Timer: 0.06 to 5 Sec
- Display Type: Digital Display
- X-Ray Tube: XD-3A+
- Power Supply: 230V AC
- Protection: Electronic overload protection
- Tube Stand: Mobile

Packing:

- Dimension 2.5x3.5x6.5 feet
- Weight: 145 kg

134

Model number

AL-PX100

ALIS PRO

X RAY MACHINE TABLE



X RAY MACHINE

135

Feature

- Strong and rigid MS frame ensures long-term durability
- Smooth, flat working surface ideal for laboratory and technical use
- Powder-coated structure provides excellent rust and chemical resistance
- Ergonomic height design for comfortable working posture
- Easy to clean and maintain, suitable for sterile environments
- Minimalist design with concealed components for a professional look

Technical Specification

- Top Material: High-quality laminated board / powder-coated MS top
- Frame Material: Heavy-duty Mild Steel (MS)
- Finish: Epoxy powder-coated, corrosion-resistant
- Color: White
- Leg Type: T-shape legs with leveling feet
- Load Capacity: Up to 150–200 kg (uniformly distributed)
- Electrical Provision: Under-table concealed wiring provision
- Stability: Reinforced cross-bar support for vibration-free operation

Packing:

- Dimension: 1550 × 800 × 200 mm
- Weight: 55–60 kg

Model number

AL-XT100

ALIS PRO

HAND X RAY MACHINE (DENTAL)



X RAY MACHINE

Feature

- Large screen clearly display
- Button adjustment to improve diagnostic efficiency
- Long handle, comfortable to hold, easier to operate
- Atmospheric & concise design
- Recessed power button, avoid accidental touch
- Smart camera angle assistance
- Ergonomic design
- Long battery life

136

Technical Specification

- Tube Voltage: 70kV \pm 10%
- Tube Current: 2mA +20%
- Input Voltage: 100V–240V
- Frequency: 50–60Hz
- Anode Angle: 12.5°
- Focus: 0.4 mm
- Exposure Time Range: 0.04s – 2.0s
- Leak Emissivity: Under 0.25 mGy/h
- Machine Weight: 1.7 kg
- Relative Humidity: 30%RH – 75%RH

Packing:

- Dimension: 260 × 240 × 190 mm
- Weight: approx. 3.0 – 3.5 kg

Model number

AL-HX02

ALIS PRO FIXED X RAY

X RAY MACHINE



Feature

- High-performance radiography system designed for clear and accurate imaging
- Powerful output ensures consistent image quality with reduced exposure time
- Digital display provides easy monitoring and precise control during operation
- Rotating anode X-ray tube enhances heat dissipation and extends tube life
- Electronic overload protection ensures safe and reliable performance
- Sturdy fixed & ceiling-free tube stand allows smooth positioning and stable operation

137

Technical Specification

- Radiography Rating: 300 mA / 125 kVp
- Output: 24 kW
- Rectification: Full Wave Rectified
- Timer: 0.06 to 5 seconds
- Display Type: Digital Display
- X-Ray Tube: Rotating Anode
- Power Supply: 440 Voltage
- Protection: Electronic overload protection
- Tube Stand: Fixed & Ceiling Free

Packing:

- Dimension: 2200 mm x 900 mm x 1900 mm
- Weight: approx. 380-420 kg

Model number
AL-FX300

ALIS PRO

X RAY VIEW BOX SINGLE SCREEN



X RAY VIEW BOX

Feature

- Provides clear and uniform illumination for accurate X-ray film diagnosis
- Ultra-slim and lightweight design saves wall space
- Flicker-free LED lighting reduces eye strain during long viewing
- Durable aluminum frame with smooth rounded corners
- Low power consumption with long LED life
- Ideal for hospitals, clinics, diagnostic centers, and radiology rooms

Technical Specification

- Type: Single Film LED X-Ray View Box
- Light Source: High-brightness LED panel
- Illumination: Uniform, shadow-free white light
- Brightness: Approx. 3000–5000 cd/m²
- Color Temperature: 6000–6500 K (Daylight white)
- Power Supply: AC 220–240 V, 50/60 Hz
- Power Consumption: Low power consumption (Energy efficient)
- Body Material: High-grade aluminum frame with acrylic diffuser
- Mounting Type: Wall-mounted / Hanging type
- Switch Type: On/Off rocker switch
- Adapter: External power adapter included
- Operation: Continuous, flicker-free operation

Packing:

- Dimension: 520 × 430 × 90 mm (L × W × H) approx.
- Weight: approx. 3.0 – 3.5 kg approx.

138

Model number
AL-XVB1

ALIS PRO

X RAY VIEW BOX DOUBLE SCREEN

X RAY VIEW BOX



Feature

- Provides clear and uniform illumination for accurate X-ray interpretation
- Four-film viewing capacity improves efficiency and comparison
- Ultra-slim aluminum body with rounded safety corners
- Flicker-free LED light reduces eye fatigue during long diagnosis
- Low power consumption with long LED lifespan
- Ideal for hospitals, diagnostic centers, radiology rooms, and clinics

Technical Specification

- Type: Multi-Film LED X-Ray Viewer (4 Film Capacity)
- Light Source: High-brightness LED panel
- Viewing Area: Supports up to 4 standard X-ray films
- Illumination: Uniform, shadow-free and flicker-free lighting
- Brightness: Approx. 3000–5000 cd/m²
- Color Temperature: 6000–6500 K (Cool White / Daylight)
- Body Construction: Anodized aluminum frame with acrylic diffuser
- Clips: Heavy-duty film holding clips (top mounted)
- Mounting: Wall-mounted / Hanging type
- Switch: On/Off power switch
- Power Supply: AC 220–240 V, 50/60 Hz
- Power Consumption: Energy efficient, low power usage
- Adapter: External power adapter included
- Operation: Continuous operation, silent performance

Packing:

- Dimension: 980 × 440 × 100 mm (L × W × H) approx..
- Weight: 6.0 – 6.8 kg approx.

139

Model number
AL-XVB2

ALIS PRO

VIDEO LARYNGOSCOPE



VIDEO LARYNGOSCOPE

140

Feature

- High-resolution display for clear, real-time airway visualization
- Ergonomic curved blade design for smooth and safe intubation
- Built-in camera with image and video recording capability
- Adjustable screen angle for comfortable and flexible viewing
- Lightweight, portable design with rechargeable battery for extended use

Technical Specification

• Machine

Display: 3" LCD Full View

Resolution Ratio: 1280 × 720

Viewing Angle: ≥60°

Power: ≤2W

Display rotation angle (Vertical, horizontal): 0°~150°, 0°~270°

Weight: 125 g

• Camera

Illuminance: ≥400 LUX

Resolution Ratio: 1280 × 720 px

Image / Video function: Yes

• Image / Video Function

Output: USB output, Easy to storage and establish image/video/review

Memory type: Micro SD card 16GB, automatic overwrite of full record

• Battery

Battery type: Rechargeable lithium battery

Capacity: 1500 mAh

Cycle life of battery: 500 times

Battery working time: 200 min

Charging Time: <3 hours

Charging Port: Micro USB

- **ONE machine + THREE sized reusable blades**

Packing:

- Dimension: 380 × 320 × 100 mm
- Weight: 2.2 kg

Model number
AL-VL03

ALIS PRO

OSCILLATING DRILL MACHINE



Feature

- Suitable for all kinds of orthopedic trauma surgery.
- Center hole diameter: 0–3.2 mm. Precise concentricity improves operational accuracy and ensures better performance.
- Ergonomic design provides comfortable handling during use.
- Integrated whole-unit design with excellent sealing; water-resistant and autoclavable.
- Rotating lock mechanism for enhanced safety and durability.
- Low loss, low noise, low wear, with multiple speed control options.
- Nickel metal hydride battery capacity: 1800 mAh, offering consistent and long-lasting performance.

Technical Specification

- Battery capacity - 1800ma/h
- Portable
- Material - Steel
- Color - BLACK
- Automation Grade -Semi-Automatic
- Diameter - 0-3.2mm
- RPM - 1200

Packing:

- Dimension: 400 x 300 x 150
- Weight: approx. 2-3 kg (with box)

Box Content:

- Main Unit - 01
- Battery - 02
- Adopter - 01
- Chuck with Key - 01
- Case - 01

141

Model number
AL-ODM

ALIS PRO

OSCILLATING SAW MACHINE



Feature

- Suitable for all kinds of orthopedic trauma surgery.
- Center hole diameter: 0–3.2 mm. Precise concentricity improves operational accuracy and ensures better performance.
- Ergonomic design provides comfortable handling during use.
- Integrated whole-unit design with excellent sealing; water-resistant and autoclavable.
- Rotating lock mechanism for enhanced safety and durability.
- Low loss, low noise, low wear, with multiple speed control options.
- Nickel metal hydride battery capacity: 1800 mAh, offering consistent and long-lasting performance.

142

Technical Specification

- Handpiece Working Voltage 14.4v
- 0–18000 Osc/Min
- Input Power 30w
- Output Power 20w
- Battery Voltage 14.4v
- Unit Rise In Temperature ≤ 25 C

Box Content:

- 1 Handpiece
- 2 Batteries
- 1 Charger
- 1 Battery Sterilization Kit
- 3 Blades

Packing:

- Dimension: 400 x 300 x 150
- Weight: approx. 2–3 kg (with box)

Model number
AL-OSM

ALIS PRO SAW MACHINE BLADE

SAW MACHINE BLADE



Feature

- Designed for precise bone cutting and measurement during orthopedic procedures
- Laser-etched millimeter scale for accurate depth and length measurement
- Multiple cut-out designs (slots and circular holes) for versatile surgical applications
- Sharp, uniform teeth ensure smooth and controlled cutting
- Made from high-grade stainless steel for durability and corrosion resistance
- Autoclavable and reusable, suitable for repeated surgical sterilization

143

Technical Specification

- Material: Medical-grade Stainless Steel
- Measurement Scale: Etched millimeter (mm) markings
- Blade Design: Slot type, circular hole type, angled slot type
- Surface Finish: Matte / Satin finish
- Sterilization: Autoclavable (Steam sterilization compatible)

Packing:

- Overall Length: 250 – 270 mm
- Blade Width: 22 – 28 mm
- Blade Thickness: 1.2 – 1.5 mm
- Teeth Length Area: 25 – 30 mm
- Measurement Range: 0 – 260 mm (etched scale)
- Single Blade Weight: 35 – 50 grams
- Set of 3 Blades Weight: 110 – 140 grams

Model number
AL-SMB

ALIS PRO ENT HEAD LIGHT

ENT HEAD LIGHT



Feature

- High-Intensity LED Illumination
- Adjustable Focal Length
- Rechargeable Lithium Battery (5200mAh)
- Long LED Lifespan

Technical Specification

- Lamp Type: LED
- Power Output: 10W
- Maximum Brightness: 80,000 Lux (adjustable)
- LED Lifespan: 20,000 hours
- Battery Type: Detachable 5200mAh lithium rechargeable battery
- Focus Adjustment: Fixed focal size with adjustable beam

Packing:

- Box Weight: ~400 g – 700 g (headlight + battery + charger + manual & packaging)
- Box Dimensions: ~25 cm × 20 cm × 10 cm (typical for head-mounted LED headlight kits)

144

Model number
AL-EHL

ALIS PRO

STUDENT MICROSCOPE



STUDENT MICROSCOPE

145

Feature

- Monocular inclined viewing head
- Achromatic objectives for clear images
- Smooth coarse and fine focusing system
- Mechanical stage with slide clips
- Built-in LED illumination
- Strong, stable metal body

Technical Specification

- Viewing Head: Monocular Head inclined at 45°
- Eyepiece: Wide Field Eyepiece WF10×
- Objective: Achromatic Objective 4×, 10×, 40×
- Nosepiece: Triple Nosepiece
- Stage: Plain Stage 110X120mm
- Condenser: Single Lens NA 0.65 with Disc Diaphragm
- Illumination: LED, Brightness Adjustable

Packing:

- Overall Height: 320 – 350 mm
- Base Size: 160 × 120 mm
- Stage Size: 110 × 120 mm
- Product Weight: 3.0 – 3.5 kg
- Packing Dimension: 380 × 220 × 260 mm
- Gross Weight (with packing): 4.0 – 4.5 kg

Model number
AL-SM1

Allengers

C-ARM MACHINE New

C-ARM



146

Feature

- High Frequency 40 kHz X-ray generator for superior image quality and low radiation dose
- 70–80% higher output with negligible soft radiation (low skin dose)
- Automatic Brightness Stabilizer (ABS) for consistent image clarity
- Self-diagnostic system to reduce service downtime
- Feather-touch microprocessor-based control panel
- Pulse fluoroscopy & High-Definition fluoro mode (optional)
- 64-frame image memory with last image hold & recursive filter
- Compatible with ESWL procedures
- Optional Laser centering device, DAP meter, Iris collimator
- Designed for Ortho, Uro, Gastro, Neuro & Spinal applications

Technical Specifications

• X-Ray Generator

Type: High Frequency Generator
 Frequency: 40 kHz
 Max Power Output: 6 kW
 Reproducibility: High, with constant peak waveform

• Exposure Parameters

Fluoroscopy kV: 40 – 120 kV
 Fluoroscopy mA: 0.1 – 5 mA
 Radiographic mA: 30 – 100 mA
 Radiographic Time: 0.1 – 3 seconds
 Fluoro Timer: 5 minutes cumulative

• Imaging System

Image Intensifier: 9" (230 mm), Triple Field (Optional 6" Dual Field / 12" I.I.)
 Grid: 8:1, 100 LPI
 CCD Camera: ½" B/W CCD, CCIR standard (625 lines)

• Monitors:

Standard: 2 × 15"
 Optional: 17" / 19" LCD or CRT

• Image Memory Options:

64 Frame Memory
 Optional 100 Frame Memory / Digital Image Processor (DIP)

• X-Ray Tube

Type: Monoblock Tube Head

• Focal Spots:

Small: 0.6 mm
 Large: 1.5 mm

Mechanical Movements

- Vertical Movement of "C": 430 mm (Motorized)
- Horizontal Movement: 220 mm
- Clearance: 800 mm
- Focus-to-Screen Distance: 950 mm
- C-Arm Rotation: 360°
- Arc Orbital Movement: 90° + 30°
- Wig-Wag (Panning): ±12.5° (25° total)

Approx. Installed Dimensions

- Overall Height Range: 1760 – 2190 mm
- Base Length: ~1774 – 1994 mm
- Base Width: ~700 mm

Net Weight:

- ~410 kg (Approx.)

Model number

HF-49

Allengers

C-ARM MACHINE Refurbished

C-ARM



147

Feature

- High Frequency 40 kHz X-ray generator for superior image quality and low radiation dose
- 70–80% higher output with negligible soft radiation (low skin dose)
- Automatic Brightness Stabilizer (ABS) for consistent image clarity
- Self-diagnostic system to reduce service downtime
- Feather-touch microprocessor-based control panel
- Pulse fluoroscopy & High-Definition fluoro mode (optional)
- 64-frame image memory with last image hold & recursive filter
- Compatible with ESWL procedures
- Optional Laser centering device, DAP meter, Iris collimator
- Designed for Ortho, Uro, Gastro, Neuro & Spinal applications

Mechanical Movements

- Vertical Movement of "C": 430 mm (Motorized)
- Horizontal Movement: 220 mm
- Clearance: 800 mm
- Focus-to-Screen Distance: 950 mm
- C-Arm Rotation: 360°
- Arc Orbital Movement: 90° + 30°
- Wig-Wag (Panning): ±12.5° (25° total)

Approx. Installed Dimensions

- Overall Height Range: 1760 – 2190 mm
- Base Length: ~1774 – 1994 mm
- Base Width: ~700 mm

Net Weight:

- ~410 kg (Approx.)

Note -

☛ "Considering the manufacturing period of 2016–2020, the estimated operational age of the system in 2026 would be approximately 5 to 10 years."

☛ "As of 2026, the system has an estimated operational usage of approximately 10,000 to 16,000 hours."

Technical Specifications

• X-Ray Generator

Type: High Frequency Generator
 Frequency: 40 kHz
 Max Power Output: 6 kW
 Reproducibility: High, with constant peak waveform

• Exposure Parameters

Fluoroscopy kV: 40 – 120 kV
 Fluoroscopy mA: 0.1 – 5 mA
 Radiographic mA: 30 – 100 mA
 Radiographic Time: 0.1 – 3 seconds
 Fluoro Timer: 5 minutes cumulative

• Imaging System

Image Intensifier: 9" (230 mm), Triple Field (Optional 6" Dual Field / 12" I.I.)
 Grid: 8:1, 100 LPI
 CCD Camera: ½" B/W CCD, CCIR standard (625 lines)

• Monitors:

Standard: 2 × 15"
 Optional: 17" / 19" LCD or CRT

• Image Memory Options:

64 Frame Memory
 Optional 100 Frame Memory / Digital Image Processor (DIP)

• X-Ray Tube

Type: Monoblock Tube Head

• Focal Spots:

Small: 0.6 mm
 Large: 1.5 mm

Model number

HF-49

ALIS PRO ULTRASOUND MACHINE



ULTRASOUND MACHINE

148

Feature

- Advanced imaging technology, excellent image quality
- Appearance design conforming to ergonomics
- Comprehensive clinical application solutions
- Technology Platform with Excellent Performance, Stability and Reliability
- Powerful Data Management System

Technical Specification

• Data Storage

Stores up to 200,000 records

Automatic Data Storage

Real-Time Refresh

Power-Failure Data Protection

Save | View | Print Data

• Intelligent Processing

Built-In Real-Time Clock & Calendar

Multiple Data Processing Techniques

Multiple Data Display Techniques

Human-Machine Dialogue Interface

• Connectivity

External Data Interface

Computer Networking Support

Printer Connectivity

Supports Standard Protocols (including I401 Protocol)

• Flowmeters:

O₂: 0-1 L/min; 1-10 L/min

N₂O: 0-1 L/min; 1-12 L/min

Air: 0-15 L/min

• Data Acquisition Technology

Real-Time Data Acquisition

High-Precision Measurement System

Digital Display Technology

Digital Filtering & Smoothing

Automatic Zero Tracking

Automatic Peak Hold

Automatic Range Switching

Automatic Linear Correction

Automatic Temperature Compensation

• Display

17-Inch LCD Screen

Resolution - 1280 × 1024

Display Type - High-Brightness Color Display

• Probe

LINEAR PROBE

CONVEX PROBEX

TVS PROBE

VOLUME PROBE

Packing

- **Dimension:** 70 × 60 × 145 cm (approx)

- **Weight:** ~75 kg net

Model number

ALISUM-X7

ALIS PRO HEMATOLOGY ANALYZER

3 PART



BABY INCUBATOR

149

Technical Specifications

Principle

- **Measurement Method:**
- Electric Impedance Method
- Colorimetry Method

Parameters

- **Total Parameters:** 21 Reportable Parameters
- WBC, LYM%, MID%, GRAN%, LYM#, MID#, GRAN#
- RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD
- PLT, MPV, PDW, PCT, P-LCR
- **Histograms:** 3 (WBC, RBC, PLT)

Throughput

- **Sample Throughput:** 60 samples per hour

Sample Mode

- Whole Blood
- Pre-diluted Blood

Sample Volume

- $\leq 20 \mu\text{L}$

Memory & Storage

- Data Storage: Up to 1,00,000 results
- Includes histograms, scattergrams & patient information

Display

- Screen Size: 10.4 inch Touch Screen
- Display Type: LCD
- Resolution: 800 x 600
- Viewing Angle: 10° inclined for visual comfort

Quality Control

- 3-Level QC (L-J Graph, X-B)

Reagents

- LH Lyse
- One Diluent
- Probe Cleaner (for maintenance)

Flag System

- RBC, WBC, PLT abnormal sample flags
- Supports customized test groups

Connectivity

- 4 x USB Ports
- 1 x LAN Port
- HL7 Protocol supported
- Compatible with LIS system

PERFORMANCE DATA

- WBC: Precision $\leq 2.0\%$ ($3.5-15.0 \times 10^9/\text{L}$), Linear Range $0-100 \times 10^9/\text{L}$, Contamination Rate $\leq 0.5\%$
- RBC: Precision $\leq 1.5\%$ ($3.0-6.0 \times 10^{12}/\text{L}$), Linear Range $0-10 \times 10^{12}/\text{L}$, Contamination Rate $\leq 0.5\%$
- HGB: Precision $\leq 1.5\%$ ($100-180 \text{ g/L}$), Linear Range $0-250 \text{ g/L}$, Contamination Rate $\leq 0.6\%$
- MCV: Precision $\leq 1.0\%$ ($70-120 \text{ fL}$)
- PLT: Precision $\leq 4.0\%$ ($150-500 \times 10^9/\text{L}$), Linear Range $0-1000 \times 10^9/\text{L}$, Contamination Rate $\leq 1.0\%$

Dimensions (Approx.)

- Width: 390 mm
- Depth: 285 mm
- Height: 390 mm

Weight

- Net Weight: 16 kg

Model number

AL-HA

ERBA CHEMISTRY ANALYZER

CHEMISTRY ANALYZER



150

Technical Specifications

- 222 open user-defined test programs
- 9 Assay modes
- 1 Point Linear
- 2 Point Linear
- 1 Point Non Linear
- 2 Point Non-linear
- Rate A Linear
- Rate A Non-Linear
- 1 Point Sample Blank Linear
- 1-Point Sample Blank Non-Linear
- Absorbance
- Mono & Bichromatic measurement
- Photometric range from 0 to 3.0 OD
- Photometric resolution up to 0.0001
- Automatic zero setting
- Static Photometer: 340-630 n.m.

Wavelength:-

- 340, 405, 505, 546, 578, 630 n.m. + 2 Optional positions
- Multi-Point calibration with graphical display
- Levy-Jennings graph for quality control
- 5000 Test patient results storage
- Peristaltic pump aspiration system with calibration facility

Dual cuvette system:

- Flow cell volume-33 μ l
- 10 mm external glass / Polystyrene
- Aspiration volume from 100 to 2997 μ l
- Temperature control at 20° to 40° in step of 1°C
- Repeat measurement by read key
- Collated report date wise, ID wise (Alphanumeric)
- Inbuilt Thermal Printer
- Direct Printer Connectivity through USB Port
- USB Connectivity to PC
- SEMI AUTOMATIC

Power Supply - 220 V AC

Reaction Cuvette - Flow Cell

Water Consumption/Hr - 8L/hr

Reagent Consumption/Test - 20 μ l

Frequency - 50 Hz

Wattage - 18 W

Dimensions (Approximate)

- Width: 625 mm
- Depth: 450 mm
- Height: 424 mm

Weight

- 10 kg

Model number

ERBA CHEM 5X

Disclaimer



All product images, designs, specifications, dimensions, weights, and features mentioned in this catalogue are **indicative and approximate**. Actual products may vary due to **continuous product improvement**, technological upgrades, or manufacturing changes without prior notice.

Dimensions and weights are provided in **approximate categories** and may differ slightly depending on configuration, accessories, or customization requirements.

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India Sales (Zone-wise)

North Zone

Punjab, Haryana, Himachal Pradesh, Jammu & Kashmir, Delhi, Rajasthan, Uttarakhand, Uttar Pradesh

☎ +91 98788 62255, +91 98211 13255 – North India

South Zone

Tamil Nadu, Karnataka, Kerala, Telangana, Andhra Pradesh

☎ +91 76960 86588, +91 73031 53195 – South India

West Zone

Maharashtra, Gujarat, Goa, Rajasthan (West region)

☎ +91 98788 62728 – West India

East Zone

West Bengal, Odisha, Bihar, Jharkhand, Assam & North-East States

☎ +91 73031 52876 – East India

Export Sales

**International / Export Sales
(All Countries)**

☎ +91 98788 60579

☎ +91 98142 62255



OUR HOSPITALS SETUP



CONNECT WITH US



SHOWROOM

PLOT NO. 2A KH. NO. 28 / 1,
OLD KHAIRA ROAD PREM
NAGAR, NEAR DHASA BUS
STAND METRO STATION,
NAJAFGARH, DELHI, 110043



CORPORATE OFFICE

238, WESTEND MALL,
JANAKPURI WEST, DELHI,
110058



MANUFACTURING UNIT

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