

A9600

Anesthesia Workstation



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A9600 is an advanced yet easy to use anesthesia workstation that provides accurate, pneumatically driven and electronically controlled ventilation.

It has a user-friendly design, incorporates new technology and provides safe and effective treatment options for the clinician. A9600 includes Adult and Child modes that provide patient-appropriate defaults and ranges.

A9600 has VCV, PCV and SIMV+PS automatic ventilation modes providing flexibility in your choice of ventilation strategy. It is suitable for pediatric and adult operation. A9600 is filled with many features for outstanding usability including auxiliary oxygen flow control and multiple auxiliary power outlets.

*Abundant options for A9600
AGSS (Anesthetic Gas Scavenging System) provides safe and effective waste gas removal. Suction options and monitoring mounting arms are available.*



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- *Advanced features for therapy delivery are also easy to use. The single-turn APL valve on A9600 includes a quick-release function to quickly lower patient breathing pressure and accurately set pressure limit*
- *Automatic Compliance compensation along with Fresh Gas Flow compensation help clinician to deliver accurate and precise ventilation therapy.*
- *Full waveform display including integrated Spirometry provides loops when desired for improved clinical data analysis*
- *System provides a minimum of 21% O₂ concentration at all times utilizing a pneumatic Oxygen Ratio Controller. This enhances patient safety over systems that utilize electronic or software controlled ORC functions*
- *Adjustable table surface lighting system (2-levels of intensity) combined with a spot light is suitable for use in low light conditions*
- *Impressive array of standard features improves the system usability: auxiliary oxygen flow meter and auxiliary AC power outlets*
- *Breathing system is heated to reduce condensation*
- *Absorber is compatible with Standard Prepaks or loose-fill CO₂ Absorbent*
- *"GCX-type" rails support easy mounting of other devices to the workstation*
- *6 traditional Gas Supply Pressure Gauges allow for easy status monitoring of hospital wall gas supplies and gas cylinders/tanks*
- *3 locking drawers for storage*
- *Standard Selectatec™-compatible mounts hold two vaporizers*



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Advanced and clear user interface:

The high-resolution 12.1" TFT LCD with touch screen along with a navigator wheel provides a simple intuitive interface that enhances user control. The ergonomic features assure the clinician can complete the entire operation easily and accurately.

The parameter areas on the main screen are shown in different colors for ease of identification. The waveforms and alarm records are clearly shown for easy review by the clinician of the patient's treatment information.

Powerful monitoring functions:

A9600 displays patient data with waveforms and spirometry loops. Loops can be stored as reference to best understand changes in patient response to therapy. Optional gas monitoring which includes EtCO₂ and Anesthetic Agents provides clinicians with complete information on patient ventilation and agent delivery and uptake.

The flowmeter system provides a minimum 21% concentration of oxygen in the O₂/N₂O mixture by means of a reliable pneumatic Oxygen Ratio Controller (ORC).

The Electronic Flow Meters for O₂, Air and N₂O are designed especially for low-flow applications. This system includes electronic fresh gas flow displays along with traditional mechanical flow controllers and flow control knobs for enhanced patient safety over fully electronic blending systems.

Data communications export is supported to connect to the Hospital IT systems and support EMR.



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Technical Parameters

Ventilation Modes

- Volume Control - Intermittent Positive Pressure Ventilation (IPPV)
- Pressure Control Ventilation (PCV)
- Synchronized Intermittent Mandatory Ventilation with Pressure Support (SIMV + PS)
- Pressure Support with Apnea backup (PS)
- Manual

Parameters and Ranges

- Pressure target: 5 – 70 cmH₂O
- Pressure support (delta P): 3 – 50 cmH₂O
- Tidal Volume: 20 – 1500 mL
- Breathing Freq.: 4-100 bpm
2-60 bpm in PS, SIMV
- T_{INSP}: 0.2-5.0s
- PEEP: OFF, 3 - 30 cmH₂O
- Freq_{MIN}: 2 - 60 bpm
- T pause: OFF, 5%-60%
- Trigger: 1 – 15 L/min
- I:E Ratio: 4:1-1:8
- T_{SLOPE}: 0 – 2 s
- Vaporizers: Sevoflurane, Desflurane, Isoflurane, Halothane, Enflurane

Monitoring

Continuous monitoring of inspiratory O₂ concentration, breathing frequency, airway pressure (Paw, Peak, Pmean, PEEP), minute volume and tidal volume. The measured parameters are displayed as large, easy to read digital values. Airway pressure, flow and CO₂ (optional) are shown in graphical waveforms.

Optional Gas Monitoring for CO₂ and 5 Anesthetic Agents with Agent Identification

Alarms

- Apnea
- Apnea CO₂
- Adjustable alarm limits for Inspiratory O₂ concentration (FiO₂)
- Adjustable alarm limits for Minute Volume (MV)
- Adjustable alarm limits for Airway pressure (PAW)
- Adjustable alarm limits for EtCO₂ and agents
- Continuous Pressure
- O₂ Supply Fail
- Negative Pressure
- High Breath Rate (PS)
- High PEEP
- Mixed Agents
- Low Battery
- AC Power Fail
- Technical alarms

Operation Conditions:

- Operating voltage: AC100-240V, 50Hz/60Hz
- Temperature: -20 - 50 °C
- Relative humidity: 15~95%, non-condensing (operating)
- Weight (without vaporizer & cylinders): approx. 120Kg
- Dimensions (H x W x D): approx. 1400mmX760mmX760mm

Standards

EN 60601-1, EN 60601-1-2, ISO 80601-2-13

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