

Anaesthetic machine



Anaeston 5000 anesthesia machine has integrated all major ventilation modes such as assist, control and assist-control ventilation. It offers comprehensive monitoring and has a clear display interface, to help perform high quality anesthesia delivery and management.

- Anaeston 5000 anesthesia machine offers a high-precision output as low as 20ml.
- It has automatic tidal volume and compliance compensation.
- The anesthesia machine offers spontaneous and manual respiratory MV monitoring function.
- It has electronic PEEP function.
- The anesthesia delivery workstation uses autoclavable and latex free components.
- Users can benefit from the tool-free maintenance and cleaning of this equipment.
- The anesthesia machine is CE compliant, so clients can feel secure in purchasing it.

Applications

The anesthesia machine is suitable for inhalational anesthesia delivery for adult, pediatric and neonatal patients.

Specifications of Anaeston 5000 Anesthesia Machine

Model	Anaeston 5000L
Dimension	810x860x1360 mm (WxDxH)
Weight	110 kg
Anesthetic type	Halothane, Enflurane , Isoflurane , Sevoflurane , Desflurane
Gas supply	O ₂ +N ₂ O, or O ₂ +N ₂ O+Air
Input pressure	280~650 kpa (350~400kpa is recommended)
Standard vent. mode	VCV, PCV, PLV, PSV, SIMV+VCV+PS, SIMV+PCV+PS
Display screen	12.1" color
Value display (Set and measured)	Tidal volume, minute volume, respiratory rate, I:E ratio, pressure limit Airway pressure (P _{peak} , P _{mean} , P _{max} , P _{plateau} , PEEP) FiO ₂ %, Compliance (ml/cmH ₂ O) Pressure support level, Inspiratory Window, P-trigger, Inspiratory End EtCO ₂ and InCO ₂ (optional) CSI, BS%, SQI%, EMG% (Optional)
Graphic display	P-T, F-T, V-T waveforms P-V, P-F, F-V loops (for compliance, resistance , leakage analysis) EtCO ₂ waveforms (when optional EtCO ₂ module is present) CSI, BS%, SQI, EMG waveforms (when optional CSM is present)
Optional expansion	Anesthetic gas scavenging system (AGSS) EtCO ₂ (mainstream/sidestream) module CSM module (anesthetic depth and trend) Anesthetic information management system External patient monitor Other equipment

Although we offer a wide range of optional devices for Anaeston 5000 anesthesia machine, here is a brief instruction of EEG-based consciousness monitoring expansion-CSM, which help improve inhalational anesthesia quality and cut down the cost greatly.

What's CSM?

CSM is a new small handheld electroencephalogram (EEG) monitor for determining depth and trend of anesthesia. It can be used together with patient monitor, anesthesia delivery system, ceiling supply unit, etc. Stand-alone operation is also available.

The cerebral state monitor can offer you the following benefits

1. Quantitative assessment of consciousness
2. Optimal surgical condition determining
3. Shorter recovery time

3. Less drug usage
4. Lower surgery cost

Features

1. Multi-parameter EEG waveform is displayed.
2. CSM Link Software™ for case documentation.
3. Cerebral State Index (CSI) of 0-100 is displayed on all screens.
4. Rechargeable battery operation is available.

Specifications of Cerebral State Monitor (CSM)

Dimension	114x60x31 mm
Weight	130g with battery
Display size	32x17 mm
Classification	Internal power supply/ Class II, type BF, continuous use
Memory	Data recording 18 hours
Digital output	Wireless to RS232 link (ISM 2.4 GHz)
Wireless range	Up to 10 meters
Work condition	Temperature 10–40°C/50–104°F
	Rel. humidity 30–75%
	Air pressure 700–1060 hPa
Battery	9V Alkaline or rechargeable NiMH (6AM6/IEC:6LR61/ ANSI:1604A)
Supply current	25mA (typical)
Battery lifetime: Alkaline	32h (stand alone) 18h (transmitting wireless)
Battery lifetime: Rechargeable	12h (stand alone) 8h (transmitting wireless)
Alarms	with user selectable CSI high/low limit
Artefact rejection	Automatic
Sensor impedance range	0-10kOhm / measurement current 0.01μA
EEG sensitivity	±400μV
Noise	< 2μVp-p, < 0.4μV RMS, 1–250 Hz
CMR	>140dB
Input impedance	>50MOhm
Sample rate	2000 samples/sec. (14 bits equivalent)
CSI and update	0-100. Filter 6-42 Hz, 1 sec. update
EMG	0-100 logarithmic. Filter 75-85 Hz, 1 sec. update
BS%	0-100%. Filter 2-42 Hz, 1 sec. update