ALVEONIC

Happens for Life

The AVS-180, a sophisticated microprocessor-based anesthesia ventilator, offers user-friendly operation for both adult and pediatric patients. Its 7-inch TFT touchscreen display provides clear visualization of flow, volume, and pressure graphs and loops. Equipped with a lithium-ion battery backup for up to 2 hours, AVS-180 ensures uninterrupted ventilation. This versatile ventilator supports various modes, including VCMV, V-SIMV, PCMV, P-SIMV, PRVC, PSV, BAG, and Standby, making it compatible with all types of anesthesia machines. The implementation of fresh gas compensation enhances the safety of anesthesia delivery.



Specification

PARAMETERS	AVS-180
Mode of Operation	VCMV, V-SIMV, PCMV, P-SIMV, PRVC, PSV, BAG and Standby
Patient Type	Adult and Child [Selectable]
I:E Ratio	4:1 to 1:4
Plateau	0 to 50%
Trigger	0.5 to 5.0 cmH_2O
Tidal Volume	50 to 1500 ml
Respiratory Rate	1 to 60 Bpm
Ti	0.2 to 8.0 Sec
Pi	5 to 60 cmH_2O
PEEP	1 to 30 cmH_2O
Pressure Support	5 to 40 cmH_2O
Ti_{max}	0.2 to 8.0 Sec
Backup RR	6 to 60 Bpm
Backup Mode	VCMV, V-SIMV, PCMV, P-SIMV and PRVC
Monitoring Parameters	Tidal Volume, Minute Volume, RR, FIO_2, Pi, P Mean, P Plat, PEEP Obtained
Alarms	Low and High for Pressure, RR, Minute Volume and FIO_2, Active patient, Patient disconnected, Driving Gas failure, low battery indication, Apnea
Loop Types	Flow Vs Pressure, Flow Vs Volume & Volume Vs Pressure [Selectable Any Two]
Graph Types	Flow , Pressure & Volume[Selectable Any Two]
Display	7" TFT with touch Screen
Power Input	100-240 VAC 50/60 Hz 20 W
Gas Input Pressure	3~6 Bar
Battery Backup	2 hours (Lithium-ion)
Dimension	316 x 270 x 374 mm (L x W x H)

AVS-180

ANESTHESIA VENTILATOR

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