



- ▶ **Highest Degree of Safety Measures**
- ▶ **Integrated Ventilator for Advanced Care**
- ▶ **Precision and Efficiency with Motorized Bellow**
- ▶ **Accurate Anesthesia gas and drug delivery systems**



**Advanced Anesthesia
Solutions for Optimal Care**

The **ADS-300** is a sophisticated anesthesia delivery system featuring an integrated microprocessor-based anesthesia ventilator and gas administrator. Designed for user-friendly operation, the ADS-300 is suitable for both adult and pediatric patients. Its 7-inch TFT touchscreen display provides clear visuals of flow, volume, and pressure graphs.

The integrated ventilator incorporates electric-driven bellows, eliminating the need for driving gas. Additionally, a lithium-ion battery ensures reliable operation for up to 2 hours. The ADS-300 is equipped with a high-accuracy 3-gas, 5-tube rotameter with an anti-hypoxic device and a standard Select-a-Tek bar for twin vaporizers.

To enhance safety, the system incorporates Fresh Gas Compensation and Fresh Gas Decoupling features. These functionalities contribute to more reliable and secure anesthesia delivery.



- Cylinder and Pipeline Pressure Monitoring Gauges
- High accuracy 3 Gas 5 Tube rotameter with anti-hypoxic device
- Compact rotary switches for ON/OFF, N₂O/air, and ACGO/Closed



- Quick and easy BAG/VENT changeover
- Automated canister bypass for in-surgery refilling
- Eliminated complications with integrated flow sensor



- Offering ventilation modes including VCMV, V-SIMV, PCMV, P-SIMV, PRVC, PSV, BAG, and standby
- Features a user-friendly touchscreen interface

Prime Features



- Air filter for continued operation in atmospheric air, even during total fresh gas failure



- NIST-standard inlet ports for oxygen, N₂O, and air
- Equipped with an additional power outlets



- Standard ACGO connection
- Fresh gas decoupled emergency oxygen flush



- Standard index-pinned cylinder yokes for oxygen and N₂O



- Equipped with an auxiliary DIN standard oxygen outlet



Specification

Control Parameters

Mode of Operation	VCMV, V- SIMV, PCMV, P-SIMV, PRVC, PSV, BAG and Standby.
Patient Type	Adult and Child [Selectable]
Tidal Volume	50 to 1500 ml.
Ti	0.2 to 8.0 Sec
Pi	5 to 60 cmH ₂ O
Respiratory Rate	1 to 60 Bpm
Plateau	0 to 50%
PEEP	0 to 30 cmH ₂ O
Pressure Support	5 to 40 cmH ₂ O
Trigger	0.5 to 5.0 cmH ₂ O
Backup RR	6 to 60 Bpm
Backup Mode	VCMV, V- SIMV, PCMV, P-SIMV and PRVC

Alarms and Indications

Monitoring Parameters	Tidal Volume, Minute Volume, RR, FIO ₂ , Pi, PEEP Obtained.
Loop Types	Flow Vs Pressure, Flow Vs Volume & Volume Vs Pressure [Selectable Any Two].
Graph Types	Flow, Pressure & Volume [Selectable Any Two].
Inspiratory Pressure High	10 to 60 cmH ₂ O
Inspiratory Pressure Low	5 to 15 cmH ₂ O
Minute Volume High	3 to 50 Liters
Minute Volume Low	0.1 to 47 Liters
RR High	15 to 100 Bpm
RR Low	5 to 90 Bpm
FIO ₂ %	21 to 100
Alarms	Low and High for Pressure, RR, Minute Volume and FIO ₂ , Active patient, Patient disconnected, Oxygen Pressure Low, low battery indication, Apnea.

General Parameters

Display	7" TFT with touch Screen.
Power Input	90 to 260 V AC 50Watts 50/60 Hz
Pipe Line Inlet O ₂ , N ₂ O & Air	2.4~6 Bar
Cylinder Inlet O ₂ & N ₂ O	150 Bar Max
Battery Backup	2 hours (Lithium-ion)



Manufactured by:

Alveonic Medical Systems P Ltd

Coimbatore – 641008 India

Ph: +91 95973 88877

Email: info@alveonic.com

Web: www.alveonic.com