

# I-ADS 10

## Anesthesia Delivery System



### The BREATH of LIFE



#### Salient Features

- Complete of Anesthesia Delivery System, Ventilator, Vaporizer and CO<sub>2</sub> Absorber.
- 3 gas system with separate gauges for monitoring pipeline and cylinder gases.
- 5 Tube Rotameter with back-light.
- In line dual Selectatec inter-lock mounting bar with Non-Return Valve.
- Common Gas outlet with O<sub>2</sub> flush.
- Over Pressure Blow-off valve for patient safety.
- Pneumatic On/Off Switch for complete System shut down.
- Pneumatic Audio Visual O<sub>2</sub> failure alarm System.
- Auxiliary O<sub>2</sub> outlet.
- 3 Drawer with easy to clean Thermo form tubs.
- Circle Absorber with dual canister and Circle by-pass switch.
- Manual / Ventilation changeover switch.
- Patient Airway pressure monitoring manometer.
- Option to select O<sub>2</sub> or Air as ventilator drive gas.

\* Picture is an illustration. Refer standard features for actual configuration

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#### Ventilator (AVS)



#### Physical

Screen Size	210 mm TFT
Bellows	
Adult (Latex free)	20 ml - 1600 ml
Paediatric	20 - 350 ml (as optional)
Battery Back-up	30 minutes (on full charge)
Drive Gas	Oxygen or Air (dry and oil free) at 45 to 100 psi (310 to 689 kPa)

#### Functional

Tidal Volume	
Adult bellows	20 to 1600 ml ( $\pm 10\%$ )
Paediatric bellows	20 to 350 ml ( $\pm 10\%$ )
Minute Volume	0 to 30 L
Rate	4 - 100 bpm
I:E Ratio	1:0.2 - 1:8
Pressure Limit	10 - 100 cm H <sub>2</sub> O
Fresh Gas Compensation	Automatic Tidal Volume adjustment
Modes	Off Standby Volume Cycle Pressure Controlled Spontaneous (includes advanced breathing modes)
Pressure Control	10 - 70 cm H <sub>2</sub> O
Inspiratory Flow	2 - 70 L/min
Spontaneous Mode	Active Volume and Pressure Alarms, Advanced Breathing Modes selectable

#### Salient Features

- Volume, PCV, PSV, SIMV and SIMMV Modes
- 9" Color Touch screen display with Com-wheel control
- Integrated Spirometry and FiO<sub>2</sub> Monitoring
- Electronic PEEP
- Inverse ratio capability
- Selectable dual waveform display for Pressure Vs Time; Volume Vs Time, Pressure Vs Volume and freeze function
- Automatic Compliance and Leak Test
- Save and Recall function of User specific settings
- Adult and Pediatric default settings

Electronic PEEP	4 - 20 cm H <sub>2</sub> O
Oxygen Monitor	Fuel Cell type
Spirometry Resolution	$\pm 10$ ml
Ventilator Performance accuracy of delivered volumes	>300 ml $\pm 20\%$ >100 ml <300 ml $\pm 20\%$ <100 ml $\pm 50\%$

#### NOTE

The ventilator is designed for use with Spirometry ON. Accuracy of delivered volumes with Spirometry OFF may vary from the figures given above.

#### Advanced Spontaneous Breathing Modes (SIMV, SMMV, PSV)

Trigger (PEEP Referenced)	0.7 to 4 L/min
Trigger Window	Set 60% of Expiratory Time
Vt and Vm	As Volume Mode
Insp Time (Ti)	0.5 to 5 secs
Support Pressure	3 to 20 cm H <sub>2</sub> O

#### Alarms

Alarm Mute, Apnea, Low Drive Gas Pressure, High Continuous Airway Pressure, Low Pressure, Incorrect Rate or Ratio, Mains Failure, Low Battery, Ventilator Inoperative - Internal or Battery Failure & Exhaust valve outlet blocked

#### Alarms - User Adjustable

Low Tidal Volume, High Tidal Volume, Low Minute Volume, High Minute Volume, Low and High O<sub>2</sub> Concentration & High Airway Pressure



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