

ADS II™

ANESTHESIA
DELIVERY SYSTEM



Advancing care is...

OUR VISION

The Infinium ADS II anesthesia systems offer pure simplicity in patient ventilation and anesthetic delivery.

The ADSII features:

- Highly accurate tidal volumes
- 10.4 inch TFT LCD screen displaying up to 3 waveforms
- Electronic Flowmeters (Air, N2O, O2)
- Heated Absorber with Bypass
- Ventilation modes of VCV, PCV, SIMV+VCV+PS, SIMV+PCV+PS, SPONT/CPAP
- Highly mobile space saving design with retractable writing table
- 2 hour battery backup
- Optional AGSS
- Electronic PEEP
- Vital signs, EtCo2, and agent monitoring options
- Connectivity options
- Absorber bypass to change soda lime during surgery



Modern And Ergonomic Design WITH EXTREMELY SIMPLIFIED USER INTERFACE.



Integrated Ventilator

With 10.4 Inch Color Screen

The **ADSII** offers an integrated ventilator with 10.4 inch color screen. Ventilation modes of VCV, PCV, SIMV+VCV+PSV, SIMV+PCV+PS, Manual and Standby are standard. On screen monitoring of C, R, VTE, VTI, MV, MVspn, f, fspn, I:E, Ppeak, Pmean, Pplat, Pmini are also standard.

The **ADSII** features simplified gas delivery with digital O₂, N₂O and AIR flowmeters. All ventilation and gas delivery controls are located within 10 cm from one and other to allow for an extremely simplified user interface.



Absorber System

1.5 Liter Capacity With Integrated Bellows

The **ADSII** features a 1.5 liter capacity absorber system with integrated bellows, APL valve and bag/ventilator selection switch. The cartridge type absorber can be easily swapped during surgery for extended procedures.

Anesthesia Ventilator

Ventilation Mode	VCV, PCV, SIMV+VCV+PSV, SIMV+PCV+PSV, Manual, Standby
Tidal Volume	(VT) 20-1500 mL
Frequency	(f) 1-60 bpm
I:E	3:1-1:6 (Increment: 0.5)
Ti	0.1-10 s (Increment: 0.1 s)
Inspiratory Pause	(Tp) OFF, 5%-50%
E-PEEP	Integrated electronic PEEP OFF, 4-30 cmH2O
Flow Trigger	(FTRIG) 1-15 L/min
Pressure Control	5-70 cmH2O
Pressure Support	5-60 cmH2O
Pressure Limit	PEEP+5-PEEP+70 cmH2O
Monitors	C, R, VTE, VTI, MV, MVspn, f, fspn, I:E, Ppeak, Pmean, Pplat, Pmini

Pneumatics

Gas Supply	Pipeline: O2, N2O and Air; (optional) Yoke: 1x O2; 1x N2O;
Pressure Gauge	Mechanical
Flowmeter	Electronic for O2, N2O and Air; O2 and N2O linkage and N2O cutoff function
Bellows Volume	Adult: 0-1500 mL, pediatric (optional), 0-300 mL
APL	Valve 2-70 cmH2O
CO2 Absorber	Volume: 1.5 L (1.35 Kg)
By-Pass	Automatic; change soda lime during surgery.
Bag/Vent Switch	Switch for manual ventilation and mechanical ventilation

Monitoring

Omni III	NIBP, SPO2, ECG, Temp, IBP, CO, Etco2, Anesthetic agent (optional)
Waveform	P-T, F-T, V-T, SpO2-T (optional), CO2-T (optional)
Loop	V-P, F-V, F-P (optional)

Alarm Setting

VT, MV, f, FiO2, Airway pressure, High continuous airway pressure, Negative pressure, Apnea, O2, Supply failure, Mains failure, Battery low capacity, Battery exhausted

Alarm Mute

< 120s

Vaporizer

2 stations selectatec mount

Physical

Screen	10.4 inch TFT screen (optional touch screen)
Dimension	1570 850 740 mm3 (H W D)
Net Weight	86 Kg (Kg only framework)
Power	100 to 240 VAC, 50/60 Hz, 10A (Max.)
Lithium Battery	120 minutes
Communication	VGA, RS232, RJ45, HL7 (with Omni III patient monitor)