



General		Details
Intended Use	Intended for respiratory support, monitoring and treatment of adult patients. For use by healthcare providers only, in professional healthcare facilities and for transportation within these facilities.	
General	Base Weight	22 lbs
	Dimensions	11.8" x 11.8" x 9.8" (30 cm x 30 cm x 25 cm)
	Patient Range	Adult
	Gas Delivery System	Pneumatic
	Max Airway Pressure	50 cm H2O (up to 80 cm H2O in VC mode)
	Method of Triggering	Pre-set Rate or Assessed Inspiratory Pressure Drop
	Inspiratory Flow Range	70 L/min
	PEEP Regulation	Manual knob adjustment
User Interface	Type	LCD displays
	Alarms	Audible alarms
Power Supply	AC Power Adaptor	120 V, 60 Hz, 2A
	Typical Max Power Consumption	2 amps
Gas Supply	Gas Inputs	Pressurized air and pressurized O2
	Inlet Gas Pressure air	35-87 PSI
	Inlet Gas Pressure O2	35-87 PSI
	Patient System Gas Connectors	Diameter Index Safety System (DISS) for oxygen and medical air
Operating Conditions	Temperature	16°C - 27°C
	Relative Humidity	30 to 70% non-condensing
	Atmospheric Pressure	70-110 kPa
	Storage Lifetime	24 months when stored in above conditions
Display	Views	Fully numeric view LED bar LED Alarms
Parameter Settings	FiO2	21-100% (note: two digit display will only show up to 99%)
	PEEP Alarm	5-35 cmH2O
	Tidal Volume	150-800 mL
	Back-Up Rate	4-40 bpm
	Pinsp Alarm	Up to 35 cmH2O over PEEP
	I Time Limit	0.1-3.0 sec
	Respiratory Rate	5-50 bpm

General		Details
Intended Use	Mode	Single mode volume targeted <sup>1</sup> , pressure limited, time limited assist/control mechanical ventilation
	Tidal Volume	Provides low to moderate Tidal Volume with a wide range of Positive End-Expiratory Pressure (PEEP) levels
	Supported Ventilation	Supports provision of supplemental oxygen with FiO <sub>2</sub> between 21% and 100%
	Life Cycle	Supports continuous (100% duty cycle) use for up to 20 days - operational (useful) life of 2688 hours
Monitoring and Data	Respiratory Rate (bpm)	Averaged over 5 breaths
	Minute Ventilation (LPM)	Volume delivered for previous breath cycle x respiratory rate
	Tidal Volume (mL)	Dynamic display showing real-time delivered volume
	Pressure (cmH <sub>2</sub> O)	Dynamic display showing real-time proximal pressure (measured at the proximal pressure port which is connected to the IPPB expiration valve)
	Pressure - min (cmH <sub>2</sub> O)	Watermark on pressure display showing the minimum proximal pressure reading for previous breath cycle
	Pressure - mean (cmH <sub>2</sub> O)	Watermark on pressure display showing the mean proximal pressure reading for previous breath cycle
	Pressure - max (cmH <sub>2</sub> O)	Watermark on pressure display showing the maximum proximal pressure reading for previous breath cycle
	Pressure - plateau (cmH <sub>2</sub> O)	Watermark on pressure display showing plateau pressure after operator presses "Get Plateau" button and the inspiration phase is completed. This watermark is a different color than the min/mean/max and only displays for 3 breath cycles following pressing of button.
Alarms	Message	Criteria
	Disconnect	Low/no pressure in circuit. P <sub>insp</sub> and/or PEEP pressure less than 1 cmH <sub>2</sub> O for greater than 2 seconds
	PEEP	PEEP averaged over 3 breaths differs from operator set PEEP pressure by 3 cmH <sub>2</sub> O or more during expiration.
	Tidal Volume	Measured Tidal Volume differs from operator specified Tidal Volume by 10% or more
	P <sub>insp</sub>	Peak inspiratory pressure, averaged over 3 breaths, is higher than the operator set P <sub>insp</sub> ALARM by 5 cmH <sub>2</sub> O or more
	Respiratory Rate	Respiratory rate falls below operator specified BACK-UP RATE or is greater than operator set RESPIRATORY RATE ALARM setting
	FiO <sub>2</sub>	Delivered oxygen percentage differs from the operator set FiO <sub>2</sub> alarm limit by 10% or more for longer than 200 seconds
	Machine Fault	Failed self check or hour counter > device operating life
	Low Power	Internal device battery power low - requires replacement