

Equipment ID: Misc-15
Newport HT50 Ventilator

Special Features

- Volume or Pressure Control Ventilation
- Invasive or Non-Invasive Ventilation
- Pressure Support
- Back-up Ventilation
- PEEP/CPAP, Built-in
- Comprehensive Alarms/Monitoring
- Dual Pac Internal Battery System, up to 10 hours of operation
- Unique Gas Delivery System Requires No External Air Compressor
- Optional Air/Oxygen Mixer for High Pressure 0.21-1.00
- Optional Blending Bag for Low Flow Systems
- Secondary back-up battery built-in for added safety



Patient Range ≥10 kg Infant,
Pediatric and
Adult

Control Settings

Modes (Pressure or Volume):	A/CMV SIMV SPONT
Volume Control (Tidal volume):	100 to 2,200 mL
f (Frequency):	1 to 99 b/min
t_i (Inspiratory Time):	1.1 to 3.0 sec
PEEP/CPAP:	0 to 30 cmH ₂ O/0 to 30 mbar
P _{support} (Pressure Support):	0 to 60 cmH ₂ O/0 to 60 mbar*
\dot{V} (Flow):	6 to 100 L/min
I:E Ratio:	1:99 to 3:1
Pressure Control (Target Pressure):	5 to 60 cmH ₂ O/5 to 60 mbar
P trig (Sensitivity):	-9.9 to 0 cmH ₂ O/-9.9 to 0 mbar
Panel Lock:	ON/OFF
Manual Inflation:	3 sec maximum (single operator controlled breath)
F _I O ₂ :	.21 to 1.00

Monitored Parameters

Paw (Peak, Mean, Base)	V _T (insp. tidal volume) \dot{V}_I (insp.
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Pneumatics

Gas Delivery System:	internal dual micro- piston
Air/Oxygen Mixer (Optional):	35 to 90 psig oxygen

Power Requirements

100-240 VAC, max.
2A
50/60/400 Hz

Dual Pac Internal Battery

Primary lead acid, 12V
5AH
when new and fully
charged, provides up to
10 hrs of operation

Secondary NiMH, 12V
2AH provides
emergency back up
power for minimum 30
mins.

Dimensions

Width:	10.63 in (27 cm)
Depth:	7.87 in (20 cm)
Height:	10.24 in (26 cm)

Miscellaneous

Operating Temperature:	-18°C to 50°C
Operating Altitude:	0 to 15,000 ft (0 to 4,572m)
Storage Temperature:	-40°C to 65°C
RS-232:	8 pin Semconn connector 19,200 Baud Remote Alarm/Nurse Call can be set up normally open or closed .

Internal Battery	minute volume) f total (total frequency)
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Alarms

▲ Paw (High Airway Pressure):	4 to 99 cmH ₂ O/4 to 99 mbar
▼ Paw (Low Airway Pressure):	3 to 98 cmH ₂ O/3 to 98 mbar
High Baseline Pressure:	Automatically set
Low Baseline Pressure:	Automatically set
▲ V _I (High Insp. Minute Volume):	1.1 to 50 L
▼ V _I (Low Insp. Minute Volume):	0.1 to 49.0 L
Back-up Ventilation Alert	
Apnea (Paw/Apnea):	30 sec
Device Alert:	malfunction alert
Power Switchover:	AC to DC
Low Battery:	minimum 30 minutes of back up power remains
Silence/Reset:	60 sec.

*PEEP + P_{supp}port cannot exceed 60 cmH₂O/mbar

Ordering Information

HT50-H1-B:	Ventilator
HT460231:	Compact stand with support arm
HT460700:	Air/Oxygen Entrainment Mixer
HT600044:	Oxygen Blending Bag Kit
HT460085:	Automotive lighter 12V Power cord
HTECH01:	E-cylinder holder for stand

