

# LTV<sup>®</sup> 900 Ventilator

**Versatile Enough to Live Well**  
**Portable Enough to Move Well**

The LTV<sup>®</sup> 900 ventilator is laptop size and contains advanced functions such as pressure support and flow triggering. Its miniaturization technology and sophisticated design make it easy to manage yet adaptable to many therapy needs. This innovation provides improved performance with maximum mobility.



# LTV<sup>®</sup> 900 Ventilator



## Specifications

### Physical Specifications:

Weight:	13.4 lbs. (6.1 kg)	With Boot:	14.45 lbs. (6.5 kg)
Height:	3 inches (8 cm)		3.25 inches (8.4 cm)
Width:	10 inches (23 cm)		10.5 inches (27 cm)
Depth:	12 inches (30 cm)		13.5 inches (38 cm)

### Controls:

Power:	On/Standby
Ventilation Modes:	Control, Assist/Control, SIMV, CPAP, NPPV
Breath Types:	Volume Control, Pressure Support, Spontaneous
Breath Rate:	0 – 80 breaths per minute
Tidal Volume:	50 – 2000 ml
Inspiration Time:	0.3 – 9.9 seconds (100 lpm)
PS/Spontaneous Flow:	160 lpm
Pressure Support:	Off, 1 – 60 cmH <sub>2</sub> O
Sensitivity:	Off, 1 – 9 lpm
Bias Flow:	10 lpm during exhalation
PEEP/CPAP:	0 – 20 cmH <sub>2</sub> O
Control Lock:	Easy or Hard unlock methods
Manual Breath:	1 x current settings

### Variable Alarms:

Apnea Interval:	10 – 60 seconds
High Pressure Limit:	5 – 100 cmH <sub>2</sub> O
Low Peak Pressure:	Off, 1 – 60 cmH <sub>2</sub> O
Low Minute Volume:	Off, 0.1 – 99 liters
Alarm Volume:	60 – 85 dBA at 1 meter
Alarm Silence/Reset:	60 seconds
Ventilator Inoperative:	Red LED, Audible Alarm
High Rate Alarm:	Off, 5 – 80 bpm
High Peep Alarm:	Off, 3 – 40 cmH <sub>2</sub> O

### Fixed Alarms:

Disconnect/Sense Line
Low & Lost External Power
Low & Empty Internal Battery
High & Low Oxygen Inlet Pressure

### Monitors and Indicators:

Peak Inspiratory Pressure:	0 – 120 cmH <sub>2</sub> O
Mean Airway Pressure:	0 – 99 cmH <sub>2</sub> O
PEEP:	0 – 99 cmH <sub>2</sub> O
Total Breath Rate:	0 – 250 bpm
Airway Pressure Display:	-10 – 108 cmH <sub>2</sub> O
Exhaled Tidal Volume:	0 – 4000 ml
Total Minute Volume:	0 – 99.9 liters
IE Ratio:	99:1 – 1:99
Calculated Peak Flow:	10 – 100 lpm
Patient Effort:	Green LED

### Power Indicators:

External Power:	Green, Amber LEDs
Charge Status:	Green, Amber, Red LEDs
Battery Level:	Green, Amber, Red LEDs

### Optional Accessories:

LTM Graphics Monitor Package – P/N 17650-001
Universal Power Supply – P/N 14546-001
Floor Stand – P/N 10611
Utility Basket – P/N 11450
Long Crossbar – P/N 11452
Circuit Support Arm – P/N 11501
Humidifier Pole – P/N 11453
Oxygen Canister Ring Set – P/N 11455
UPS Mounting Bracket – P/N 15009-001

### Extended Features:

Apnea Back-up Ventilation
Pressure Support Variable Rise Time
Pressure Support Variable Flow
Pressure Support Variable Time Termination
Leak Compensation

### Power Specifications:

11 – 15 VDC
90 – 250 VAC
47 – 63 Hz

### Pneumatic Specifications:

Low Pressure O <sub>2</sub> Source:	<80 lpm, <10 PSIG
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### Environmental Specifications:

Operating Temperature:	5° – 40°C (40° – 104°F)
Storage Temperature:	-20° – 60°C (-4° – 140°F)
Operating Humidity:	15% - 95% relative
Storage Humidity:	10% - 95% relative
Shock Compliance:	MIL-STD-810E
Vibration Compliance:	MIL-STD-810E

### Standards and Regulatory Compliance:

ETC, cETL Listed
ISO 13485 Registration
IEC 601-2-12
BSI Registered FM 75092