



## PURITAN BENNETT LP10 PORTABLE VENTILATOR

- Designed for smooth transition from critical care ventilation
- Meets a broad range of pediatric and adult needs.
- Decreased internal resistance reduces breathing efforts in SIMV mode
- Reliable ventilator monitoring displays



Typical Manufacturer's Picture

### Specifications

<b>Power Line</b>	110 VAC range (100-127 VAC) or 220 VAC range (220-240 VAC), 50/60 Hz, external voltage selector switch
<b>Power Usage Maximum</b>	630 kW hours per year
<b>Nominal</b>	315 kW hours per year
<b>External Battery</b>	Approximately 20 hours operation with 75-80 ampere-hour 12 VDC deep-cycle, gel-cell battery; approximately 10 hours with 35-40 ampere-hour 12 VDC deep-cycle, gel-cell battery
<b>Internal Battery</b>	Up to 1 hour operation
<b>Type, Volume Ventilator Pump</b>	Motor: Brushless induction Piston, 100-2200 mL tidal volume capability
<b>Front Panel Touch Pads</b>	Alarm Silence/Reset: Push button to silence alarm or to reset; used with Battery Test button to read operating hours on Patient Pressure meter
<b>Battery Test</b>	Push button to show charge level on lower window of Patient Pressure meter
<b>Front Panel Controls</b>	Mode: Standby, Assist/Control, SIMV or Pressure Cycle
<b>Pressure Limit</b>	Locking knob sets pressure from 15 to 50 cmH <sub>2</sub> O, or disables limit feature
<b>Low Pressure Alarm</b>	2-32 cmH <sub>2</sub> O in increments of 2 cmH <sub>2</sub> O
<b>High Pressure Alarm Limit</b>	(Assist/Control, SIMV Modes) or limit for Pressure Cycle mode 15-90 cm H <sub>2</sub> O in increments of 5 cmH <sub>2</sub> O
<b>Volume</b>	Push-to-turn knob from 100 to 2200 mL
<b>Breath Rate</b>	1-20 BPM in increments of 1 BPM and 22-38 BPM in increments of 2 BPM
<b>Inspiratory Time</b>	From 0.5 to 1.0 seconds in increments of 0.1 seconds; 1.2 seconds; and 1.5-5.5 seconds in increments of 0.5 seconds

<b>Breathing Effort</b>	Push-to-turn knob sets pressure level to detect breathing effort: -10 cmH <sub>2</sub> O to +10 cm H <sub>2</sub> O. Front Panel Input Patient Pressure: Port for connection to proximal pressure line of patient circuit
<b>Front Panel Output</b>	Patient Air: 22 mm x 15 mm tube for connection to bacteria filter.Exhalation Valve: Port for connection to exhalation valve of patient circuit
<b>Indicators, Normal Events</b>	Patient Pressure Meter: Displays patient pressure -10 to +100 cmH <sub>2</sub> O; can also display battery charge and machine hours of operation Breathing Effort: Green LED activated by adequate patient breathing effort Power: LEDs indicate operating power source (green AC Pwr/Batt Chg, amber External Battery, flashing amber Internal Battery)Alarms: Flashing red LEDs (Low Pressure/Apnea, Low Power, High Pressure, Setting Error, Power Switchover)
<b>Audible Alarms</b>	Pulsating Tone: Low Pressure/Apnea; Low Power, High Pressure, Setting Error, Power Switchover. Steady Tone: Loss of microprocessor control. Reminder Tone: Every 5 minutes when powered by Internal Battery and each time accessory printer generates report
<b>Rear Panel Controls</b>	AC Circuit Breaker: Internal to AC power switch (1 for ON, 0 for OFF)
<b>Rear Panel Inputs</b>	Inlet Filter: Intake for patient air; screw-off cap for filter change. External Battery: Connection for 12 VDC battery Communication Port: Calibration information during service procedure
<b>Rear Panel Outputs</b>	Vent: Cooling vent for internal ventilator components Remote Alarm: Connection for optional alarm accessories Communication Port: Connection for optional printer and digital display
<b>Maintenance</b>	Preventive maintenance by qualified professional every 6000 hours or recertification every 12 months, whichever is first
<b>Dimensions</b>	9.75" H x 14.5" W x 13.25" D (24.6 cm x 36.8 cm x 33.6 cm)
<b>Weight</b>	Approximately 35 lb (15.9 kg)
<b>Resistance Factor</b>	Less than 0.05 cmH <sub>2</sub> O/LPM
<b>Emergency Pressure Relief Flow</b>	Approximately 100 cmH <sub>2</sub> O 20-100 LPM

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