Tailor ventilation to each patient’s needs

with available pressure control, pressure support, volume control, adjustable flow triggering, NPPV and apnea back-up mode. The LTV 1000 is diagnostic-ready with AutoPeep and Static Compliance features, and is capable of utilizing the LTM Graphics Monitor for full-color, user selectable ventilator wave form displays and diagnostics.

A Quick Look

Ease of Use
An intuitive interface makes the LTV 1000 easy to understand and operate. The unit features extensive patient monitoring capabilities and a comprehensive alarms package for optimum patient care. And with a footprint and size at a fraction of comparably equipped ventilators (13.4 lbs), the LTV 1000 allows for greater patient mobility.

Patient Comfort
Designed to provide optimum patient comfort and care, the LTV 1000 features:
• Variable rise time
• Variable sensitivity flow trigger
• Variable flow termination
• Variable time termination
• Leak compensation
• NPPV mode
• High pressure alarm delay

Internal Oxygen Blending
The LTV 1000 features an internal oxygen blending system for control of FIO2, whether connected to a high or low pressure O2 source. Units with version 5.0 software also have new O2 Flush, O2 Cylinder Duration and Automatic O2 Switch-over features for improved patient care.

Versatile Power Options
For increased patient mobility and ease of transport, the LTV can be used with a variety of power sources:
• AC power
• LTV Transport Battery System
• LTV universal power supply
• 3-hour external battery
• 9-hour external battery
• Automobile lighter adapter
## Pulmonetic LTV-1000
Respiratory Ventilator

### Equipment for the way you operate.

### Product Specifications

<table>
<thead>
<tr>
<th>Physical Specifications</th>
<th>With Boot</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>13.4 lbs. (6.1 kg)</td>
</tr>
<tr>
<td>Height</td>
<td>3 inches (8 cm)</td>
</tr>
<tr>
<td>Width</td>
<td>10 inches (25 cm)</td>
</tr>
<tr>
<td>Depth</td>
<td>12 inches (30 cm)</td>
</tr>
</tbody>
</table>

### Controls

| Power                  | On/Standby |
| Ventilation Modes      | Control, Assist/Control, SIMV, CPAP, NPPV |
| Breathing Modes        | Volume Control, Pressure 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) |
| PC/PS/Special Flow      | 160 lpm |
| Pressure Control       | 1 - 99 cmH2O |
| Pressure Support       | Off, 1 - 60 cmH2O |
| Sensitivity             | Off, 1 - 9 lpm |
| % O2                   | 21% - 100% |
| Low Pressure O2 Source  | On/Off |
| Bias Flow              | 10 lpm during exhalation |
| PEEP/CPAP              | 0 - 20 cmH2O |
| Control Lock           | Easy or hard unlock methods |
| Breath Hold            | 6 seconds maximum |
| Manual Breath          | 1 x current settings |
| O2 Flush               | 1 - 3 minutes |

### Variable Alarms

| Apnea Interval         | 10 - 60 seconds |
| High Pressure Limit    | 5 - 100 cmH2O |
| Low Peak Pressure      | Off, 1 - 60 cmH2O |
| Low Minute Volume      | Off, 0.1 - 99 liters |
| Alarm Volume           | 60 - 85 dBA at 1 meter |
| Alarm Silence/Reset    | 60 seconds |
| Ventilator Inspiratory | Red LED, audible alarm |
| High PEEP              | Off, 3 - 40 cmH2O |
| High Rate              | Off, 5 - 80 cmH2O |

### Fixed Alarms

- Disconnect / Sense Line
- Low & Lost External Power
- Low & Empty Internal Battery
- High & Low Oxygen Inlet Pressure
- Dual Tone Patient Assist Alarm

### Monitors and Indicators

- Peak Inspiratory Pressure: 0 - 120 cmH2O
- Mean Airway Pressure: 0 - 99 cmH2O
- PEEP: 0 - 99 cmH2O
- Total Breath Rate: 0 - 250 bpm
- Airway Pressure Display: -10 - 108 cmH2O
- Exhaled Tidal Volume: 0 - 4000 ml
- Exhaled Minute Volume: 0 - 99.9 liters
- I:E Ratio: 99
- Calculated Peak Flow: 10 - 100 lpm
- AutoPEEP: 0 - 100 cmH2O
- Static Compliance: 1.999 ml/cmH2O
- 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 11000
- 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 Control and Pressure Support Variable Rise Time
- Pressure Control and Pressure Support Variable Flow
- Termination Criteria
- Pressure Support Variable Time Termination
- Leak Compensation
- O2 Cylinder Duration

### Power Specifications

- 11 - 15 VDC
- 90 - 250 VAC
- 47 - 63 Hz

### Pneumatic Specifications

- Pressure Oxygen: 40 - 80 PSIG (2.8 - 5.5 bar)
- Low Pressure Source: < 80 lpm, < 10 PSIG

### 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 45841

Available with rolling stand and graphic display (sold separately)