The LTV 1200 provides portable ICU ventilation

The LTV 1200’s ease of use and versatility ensure optimal patient care across clinical settings

» Ease of use
Ventilator setup for new patients is quick and easy. Presets allow the clinician to select the patient type, and the LTV 1200 automatically configures the initial ventilation settings for infant, pediatric or adult patients. Clinicians can optimize ventilator presets using the intuitive LTV 1200 interface. Active controls and alarm settings are illuminated for easy identification of ventilation parameters.

» Flexible therapy options
The LTV 1200 provides both invasive and non-invasive modes of ventilation for patients as small as 5 kg. A wide range of ventilation therapies are available to meet demanding patient needs, including volume control, pressure control, pressure support and spontaneous breath types. The system features an enhanced non-invasive mode for quick patient setup. Clinicians can simply set the desired inspiratory and expiratory pressure levels to begin non-invasive ventilation.

» Weaning assessment tools
Identifying patients ready to be weaned from ventilation can help reduce complications and minimize care related costs. The LTV 1200 features an innovative spontaneous breathing trial, which utilizes rapid shallow breathing index (RSBI) criteria to assess a patient’s ability to be weaned. Clinicians can customize trial settings to each individual patient, ensuring optimal levels of support throughout the weaning process.

» Enhanced monitoring capabilities
Upgrade the system with the LTM graphics monitor and the LTV 1200 provides clinicians with even more comprehensive monitoring of critical patient-ventilator interaction. The graphics monitoring package displays real-time pressure, flow and volume curves with adjustable cursors for accurate breath data measurement. The LTM also displays flow/volume loops and volume/pressure loops to enhance patient assessment. Patient data can be trended for up to 24 hours for clinical evaluation.
## Technical Specifications

### Physical specifications with boots (approx.)
- **Weight:** 14.5 lbs (6.5 kg)
- **Height:** 3.25" (8.4 cm)
- **Width:** 10.5" (27 cm)
- **Depth:** 13.5" (38 cm)

### Controls
- **Power:** On/Standby
- **Ventilation Modes:** Control, Assist/Control, SIMV, CPAP and NPPV
- **Breath types:** VC, PC, PS and spontaneous
- **Breath rate:** 0 to 80 bpm
- **Tidal volume:** 50 to 2000 ml
- **Inspiratory time:** 0.3 to 9.9 seconds (100 lpm)
- **PC/PS/Spont. Flow:** 160 lpm
- **Pressure Control:** 1 to 99 cmH2O
- **Pressure Support:** 1 to 60 cmH2O
- **Sensitivity:** Off, 1 to 9 lpm
- **%O2:** 21% to 100%
- **O2 Flush:** 1 to 3 minutes
- **Low Pressure O2:** On/Off
- **PEEP/CPAP:** 0 to 20 cmH2O
- **Insp/Exp Hold:** 6 second maximum
- **Manual Breath:** 1 x current settings
- **Control Lock:** Easy or Hard Unlock Options

### Variable Alarms
- **Apnea Interval:** 10 to 60 seconds
- **High Pressure Limit:** 5 to 100 cmH2O
- **Low Peak Pressure:** Off, 1 to 60 cmH2O
- **Low Minute Volume:** Off, 0.1 to 99 liters
- **High PEEP:** Off, 3 to 40 cmH2O
- **Low PEEP:** Off, -3 to -20 cmH2O
- **High Rate:** Off, 5 to 80 cmH2O
- **Alarm Volume:** 60 to 85 dBA at 1 meter

### Monitors and Indicators
- **Peak Inspiratory Pressure:** 0 to 120 cmH2O
- **Mean Airway Pressure:** 0 to 99 cmH2O
- **PEEP:** 0 to 99 cmH2O
- **Breath Rate:** 0 to 250 bpm
- **Airway Pressure Display:** -10 to 108 cmH2O
- **Exhaled Tidal Volume:** 0 to 4,000 ml
- **Exhaled Minute Volume:** 0 to 99.9 liters
- **I:E Ratio:** 99:1 to 1:99
- **Calculated Peak Flow:** 10 to 100 lpm
- **Static Compliance:** 1.999 ml/cm H2O
- **Patient Effort:** Green LED

### Extended Features
- Spontaneous Breathing Trial (SBT)
- Ventilator Presets (Infant, Pediatric, Adult)
- Variable Rise Time
- Variable Flow Termination
- Variable Time Termination
- Pressure Control Flow Termination
- Leak Compensation
- O2 Cylinder Duration Calculation
- O2 Flush
- Apnea Backup Ventilation

### Fixed Alarms
- Disconnect/Sense Line
- External Power Low and Lost
- High and Low Oxygen Inlet Pressure
- Internal Battery Low and Empty
- Ventilator Inoperative

### Pneumatic Specifications
- **Pressure Oxygen:** 40 to 80 PSIG (2.8 to 5.5 bar)
- **Low Pressure Source:** < 80 lpm, < 10 PSIG

### Power Indicators
- **External Power:** Green and Amber LEDs
- **Battery Charge Status:** Green, Amber and Red LEDs
- **Battery Level:** Green, Amber and Red LEDs

### Power Specifications
- **11 to 15 VDC**
- **90 to 250 VAC**
- **47 to 63 Hz**

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