

# LTM™ Graphics Monitor



## Enhanced Visuals For Superior Care

The Pulmonetic Systems LTM Graphics Monitor is a slender, color monitor for the LTV Series ventilators. The monitor incorporates the simplicity of a Touch Screen panel for all control input. Controls, graphics, patient data and messages are vividly displayed using a color LCD display window. Additionally, configurations can be customized using the Set Up feature allowing for a multitude of screen designs. The LTM Graphics Monitor allows the clinician to view critical patient-ventilator interaction while providing continuous monitoring during all phases of patient care.

### **Other features include:**

- Auto or Manual Scaling
- Screen Freeze
- Print Functions
- Historical Event Log
- Patient Information, Date and Time
- Reference Breaths and Loops

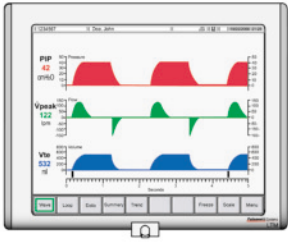
**Pulmonetic Systems®**

Innovations For Life

# LTM™ Graphics Monitor

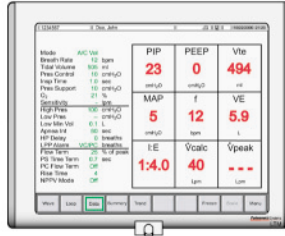
## Specifications

### Wave



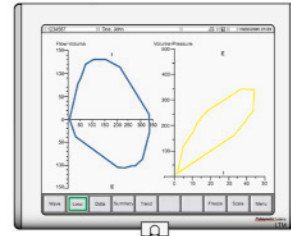
- Real-time **Pressure, Flow and Volume** waveforms
- Select **one, two or three waveforms** to be displayed on screen
- Breath-to-Breath **Data Values** displayed simultaneously for each waveform
- Select "**Scroll**" or "**Wrap**" method of viewing real-time waveforms
- Location and color of waveforms can be **custom configured** by the clinician
- Movable cursors allow for precise breath-to-breath analysis of
  - Time, Pressure, Volume and Flow at any point in breath (accessed in Freeze function)

### Data



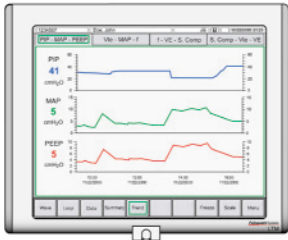
- Displays **Ventilator Settings and Monitored Values**
- Select **one or two sets of data** to be displayed on screen
- Location and color of data can be **custom configured** by clinician

### Loop



- Displays **Pressure - Volume Loop**
- Displays **Flow - Volume Loop**
- Select **one or two loops** to be displayed on screen
- Compare real-time Loops with **Reference Loop**
- Display up to **four historical Loops**
- Identification of **Inspiratory and Expiratory breath phases**
- Location and color of Loops can be **custom configured** by the clinician

### Trend



- Trends for **all monitored values**

f	VE	PEEP
Spf	PIP	Static Compliance <sup>1</sup>
Vte	MAP	AutoPEEP <sup>1</sup>

- Provides trends for up to **24 hours**
- **Additional trend storage** is available with optional Data Card
- Movable cursor displays **individual data values** with date and time stamp (accessed in Freeze function)

### Reference



- View and select a single breath from 60 seconds of historical data
- Set **Reference Breath** for comparison with future breaths
- Accessed by utilizing the Freeze function

### Summary



- **Five displays** of patient - ventilator data and waveforms on one screen
  - Waveform graphs
  - Loop graphs
  - Monitored Data
  - Ventilator Data
- Location and type of information displayed can be **custom configured** by the clinician

### Menu

- **Custom configure** screens for color and display location
- Save up to **4 custom configurations** for future access
- Set **brightness** and **automatic dimming** of screens
- **Print any graph** with patient's monitored data and ventilation settings
- Enter **patient's name** and I.D. number

### Scale

- **Automatic or manual scaling** of Waveform or Loop screens

### Information and Status Bar

- Patient name and I.D. number
- Communication status
- Date and Time
- Ventilator Alarms
- Static Compliance and AutoPEEP measurements<sup>1</sup>

### Physical Specifications:

Weight	3.75 lbs (1.70 kgs)
Dimensions:	
Height	8 inches (20 cm)
Width	10 inches (25 cm)
Depth	1.9 inches (4.75 cm)

### Power:

Input Voltage	11 to 15 VDC
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### Communications:

Supports	Patient Data Systems Epson FX printer IBM ProPrinter HP PCL black/white and color printers
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### Ordering Information:

LTM Graphics Package	P/N 11000
Includes mounting hardware and cabling	

### Environmental Specifications:

Operating Temperature	5° - 40° C
Storage Temperature	-20° - 60° C
Operating Humidity	15% - 95% relative
Storage Humidity	10% - 95% relative
Shock Compliance	MIL - STD - 810E
Vibration Compliance	MIL - STD - 810E

### Standards and Regulatory Compliances:

ETC, cETL Listed  
IEC 601  
ISO 9001/EN46001 Registration  
ISO 13485 Registration



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<sup>1</sup>When used with LTV1000 equipped with Inspiratory/Expiratory hold feature.