

# LOGMASTER LM750

## SOLID STATE RECORDING VOLTMETER

The LM750 is a rugged battery operated data recorder which may be used to monitor and record voltages up to 750 Vac.

### FEATURES:

- Two input voltage ranges
- Wide Temperature operation
- Weatherproof enclosure for outdoor use.
- Long battery life
- 3 ½ Digit LCD display
- 1 second input sampling.
- Safety fused leads included
- Padded pouch with pole mounting straps
- Includes data retrieval and presentation software.
- Front panel switches for field initialization



## LOGMASTER LM750 SPECIFICATIONS

**Voltage Ranges:** Lo: 0 - 200.0 V  
Hi: 0 - 750 V

**Accuracy:** Lo: (1% of rdg.  $\pm 0.2$ ) V  
Hi: (1% of rdg.  $\pm 1$ ) V

**Resolution:** Lo: 0.2 V  
Hi: 1 V

**Maximum Voltage:** 750 Vac

**Stored Data:**

*Average Mode* - Average of all samples taken once per second during the specified period.

*Average/Minimum/Maximum Mode* - 3 readings stored per period; average as above, also the minimum and maximum voltage values which occurred during this period.

**Memory Modes:**

*Stop* - Records until memory is filled

*Continuous* - When memory filled, new data overwrites old (wraparound).

**Data Capacity:**

<i>Rec Int.</i>	<i>Data Mode</i>	<i>Days Storage</i>
15 min	Avg	66*
5 min	Avg	22
1 min	Avg	4.5
15 min	Avg/Min/Max	22
5 min	Avg/Min/Max	7.5
1 min	Avg/Min/Max	1.5

**Batteries:** (2) Standard 9V Alkaline.

**Temperature Range:** -40 C to +55 C

**Weight:** 1.7 lb (0.8 Kg)

**Dimensions:** 19 x 8.1 x 5.5 cm.

The LM750 is a rugged voltage recorder which may be used to investigate customer voltage complaints indoors, or monitor pole top distribution voltages in all weather conditions. The voltage inputs are sampled once per second. The LM750 will record the average of these samples over a user selected interval of 1, 5, or 15 minutes. If the user selects Minimum, Maximum, Average mode, the minimum and maximum voltage detected during the interval will also be retained in memory. The recorder may be configured to record continuously, or stop recording when the memory has become full.

Using a Logmaster LMI-1 or LMI-2 serial computer Interface and the EG2000V windows software supplied with the LM750, the contents of the recorder may be downloaded to a personal computer. Once downloaded, the user may view the data in a high resolution graphical format, analyze, and attach

comments or notes to the data file. Multiple LM750's may be used to combine and analyze multi-phase voltages, or compare time coincident data files collected from different locations of a distribution circuit.

A demonstration version of EG2000 is available to download on our web site at [www.broy.com](http://www.broy.com). The demo package includes some sample data files which you may load and view using EG2000. Operating the demo program with sample files is an effective way to become more familiar with the features and capabilities of the Logmaster LM750.

The LM750 comes complete with safety fused leads, data analysis software, and a padded carrying pouch. The padded pouch includes adjustable straps and hooks so that it may be securely attached to a powerline pole and left outdoors to collect data.

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