OM-MLT Series Portable Data Loggers
Part of the NOMAD® Family

$89 Basic Unit

- Temperature
- Temperature/Humidity
- High Temperature and Autoclave Models
- Stores up to 16,000 Readings
- Magnet Can Be Used to Start Logging
- Compact, Light Weight
- Easy-to-Use Windows Software

The OM-MLT Series is a comprehensive family of portable data loggers which uses the latest electronic technology and software. These data loggers are compact, self-powered devices which can measure and record almost every possible critical condition using a variety of internal and external sensor types. The OM-MLT Series also includes a high temperature model and an autoclave model.

The OM-MLT-AC autoclave data logger is a special product that can withstand high temperature and pressure environments to 150°C (302°F)/5 Bar for 30 minutes, 150°C (302°F) for 60 minutes in dry heat and indefinite operation at 125°C (257°F).

The primary intended use for the data logger is the qualification of autoclaves used for sterilization, however it is also suitable for measuring any high temperature applications not exceeding the specifications.

It is supplied with a stub probe that registers the environment temperature from 25 to 150°C (77 to 302°F), and an internal temperature sensor for monitoring of data logger internal temperature conditions and prohibiting reprogramming of data logger until internal temperature has returned to 40°C (104°F). Data logger setup and data transfer to the PC is accomplished using the OM-MLT series Windows software. Data loggers can be programmed to start based on date/time or can be manually started by using the starting magnet. The logging session can end based on date/time, total number of readings or it can be set to wrap around. To download your data simply place the data logger in the PC interface cradle and connect to the data logger using the OM-MLT Series Windows software.

The software performs statistical analysis including minimum, maximum and average of all readings. The software also features user defined alarm set points and graph labels, a multiple graphing facility to graph data from multiple dataloggers on a single graph and also the ability to view current conditions through the PC interface in real time. Stored data files can be exported to Microsoft Excel.

Specifications
COMMON SPECIFICATIONS
Sampling Rate: User selectable 5 to 59 seconds or 1 to 255 minutes (OM-MLTHB16 is 1 to 255 minutes only)
Memory: All models store 16,000 readings except model OM-MLT-AC which stores 2000 readings
Power: 3.6 V lithium battery (included)
Battery Life: 1 to 2 year battery life typical depending on use
Software: WIN95/98/NT/2000/XP

OM-MLTD16 TEMPERATURE DATA LOGGER WITH ONE INTERNAL SENSOR
Temperature Range: -40 to 70°C (-40 to 158°F)
Accuracy: ±0.3°C (±0.5°F)
Resolution: 0.5°C (0.9°F)
Visual Indicators: green LED indicates active status, red LED indicates alarm
Storage Temperature: -40 to 85°C (-40 to 185°F)
Enclosure: IP67
Weight: 70 g (2.5 oz)
Dimensions: 75 D x 18 mm H (2.95 x 0.7”)

[Image of OM-MLTD16 data logger, $89, shown smaller than actual size]
OM-MLTXD16 TEMPERATURE DATA LOGGER WITH ONE INTERNAL AND ONE EXTERNAL SENSOR
Temperature Range: -40 to 70°C (-40 to 158°F)
Accuracy: ±0.3°C (±0.5°F)
Resolution: 0.5°C (0.9°F)
Enclosure: IP51
Temperature Probe: 4.5 D x 80 mm L (0.18 x 3.1") stainless steel penetration style probe with 1 m (3') cable
Visual Indicators: green LED indicates active status, red LED indicates alarm
Storage Temperature: -40 to 85°C (-40 to 185°F)
Weight: 70 g (2.5 oz)
Dimensions: 75 D x 18 mm H (2.95 x 0.7")

OM-MLTHB16 TEMPERATURE HUMIDITY DATA LOGGER
Temperature Range: -20 to 60°C (-4 to 140°F)
Temperature Accuracy: ±0.3°C (±0.5°F)
Temperature Resolution: 0.3°C (0.5°F)
Humidity Range: 0 to 100%RH
Humidity Accuracy: ±3%RH
Humidity Resolution: 0.5%RH
Visual Indicators: green LED indicates active status, red LED indicates alarm
Enclosure: IP51
Storage Temperature: -40 to 85°C (-40 to 185°F)
Weight: 100 g (3.5 oz)
Dimensions: 75 D x 50 mm H (2.95 x 2.0")

OM-MLT-HT DATA LOGGER
Temperature Range: 0 to 125°C (32 to 257°F)
Accuracy: ±0.5°C (±0.9°F)
Resolution: 0.5°C (0.9°F)
Enclosure: 316 stainless steel with IP68 rating
Storage Temperature: 0 to 125°C (32 to 257°F)
Weight: 250 g (8.8 oz)
Dimensions: Data logger: 65 D x 43 mm H (2.6 x 1.7")
Probe: 4.5 D x 50 mm L (0.18 x 2.0")
OM-MLT-LINK PC INTERFACE FOR OM-MLT SERIES DATA LOGGERS (FOR ALL MODELS EXCEPT OM-MLT-AC AUTOCLAVE DATA LOGGER
PC interface: Data logger cradle and 1.5 m (5') RS-232 cable with DB9F termination
Weight: 134 g (4.7 oz)
Dimensions: 85 D x 29 mm H (3.3 x 1.1")

OM-MLT-LINK serial interface, $62, shown smaller than actual size

OM-MLT-KEYSTART MAGNET
Weight: 36 g (1.3 oz)
Dimensions: 31 mm dia x 5 mm H (1.2 x 0.2")

OM-MLT-KEY start magnet, $8, shown smaller than actual size

Windows Software - Data Table

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Price</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OM-MLTD16</td>
<td>$89</td>
<td>Temperature data logger (one internal sensor)</td>
</tr>
<tr>
<td>OM-MLTXD16</td>
<td>135</td>
<td>Temperature data logger (one internal and one external sensor)</td>
</tr>
<tr>
<td>OM-MLTXD16</td>
<td>180</td>
<td>Temperature data logger (two external sensors)</td>
</tr>
<tr>
<td>OM-MLTHB16</td>
<td>235</td>
<td>Temperature and humidity data logger</td>
</tr>
<tr>
<td>OM-ML-HT</td>
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<td>High temperature data logger</td>
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<td>OM-MLT-AC</td>
<td>995</td>
<td>Autoclave data logger</td>
</tr>
<tr>
<td>OM-MLT-LINK</td>
<td>62</td>
<td>Serial interface (5 ft RS-232 cable with DB9F termination and cradle) for all OM-MLT series data loggers (includes Windows software)</td>
</tr>
<tr>
<td>OM-MLT-KEY</td>
<td>8</td>
<td>Starting magnet</td>
</tr>
<tr>
<td>OM-MLT-BATT</td>
<td>15</td>
<td>Replacement 3.6 V lithium battery</td>
</tr>
</tbody>
</table>

Model OM-MLTXD16 includes one external temperature sensor.
Model OM-MLTXD16 includes two external temperature sensors.
Ordering Example: OM-MLTHB16 temperature and humidity data logger, OMEGACARE 1 year extended warranty for OM-MLTHB16 (adds 1 year to standard 1 year warranty), OM-MLT-LINK serial cable and cradle, and OM-MLT-KEY starting magnet, $235 + 25 + 62 + 8 = $330.

ALL MODELS AVAILABLE FOR FAST DELIVERY!
More than 100,000 Products Available!

- **Temperature**

- **Flow and Level**
  Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

- **pH and Conductivity**
  Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

- **Data Acquisition**

- **Pressure, Strain and Force**
  Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

- **Heaters**

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