**Mini Temperature Data Logger**

**Model MTL10**

High/Low Temperature Alarm with Visual Indication, Software Included

Measure and record the temperature of the surrounding environment with the Model MTL10 Mini Temperature Data Logger. Each unit is factory calibrated to an accuracy of ±0.9°F (±0.5°C) over the operating range of -40 to 185°F (-40 to 85°C). Model MTL10 can store up to 2048 temperature measurements and can be set for continuous measurement or stop recording when the memory becomes full. Sampling rate is selectable from one minute to once every four hours. Recordings can be programmed to begin immediately, delayed (up to 6 weeks), or initiated by a push button. The logger can also be used to monitor long-term high and low alarms. Up to 12 low and 12 high temperature alarm events can be recorded. The logger has visual indication of an alarm condition without the need to connect to the computer.

**SPECIFICATIONS**

- **Temperature Range:** -40 to 185°F (-40 to 85°C).
- **Memory Size:** 2048 samples.
- **Alarm Memory:** Up to 12 temperature high and 12 temperature low.
- **Accuracy:** ±0.9°F (±0.5°C).
- **Resolution:** ±0.9°F (±0.5°C).
- **Sampling Mode:** Stop on memory full or continuous recording with memory rollover.
- **Sampling Rate:** Selectable from 1 min. to 4 hrs. in 1 min. increments.
- **Computer Requirements:** Intel compatible 486 or above and Windows 95 or later with 8 MB RAM and 2 MB hard drive disk space, one free RS232 port.
- **Power Requirements:** 3.0V lithium battery.
- **Battery Life:** 3 years (approx).
- **Housing Material:** ABS plastic.
- **Alarms:** Programmable high/low.
- **Recording Start:** Push button, computer controlled or up to 6 week delayed start.
- **Real Time Clock:** Displays seconds, minutes, hours, month, day of the week and year.
- **Real Time Status:** Updated every second.
- **Interface:** RS232 serial port.
- **Weight:** 3 oz (85 g).
- **Agency Approvals:** CE.

**Series MTL Miniature USB Data Logger**

The Series MTL Miniature USB Data Logger measures and records accurate readings for temperature or temperature/humidity/dew point in a wide range of applications. Sampling intervals and high/low alarm settings are user selectable through the included easy to use Windows® based software. On models ordered with an integral display, the temperature and humidity readings alternate on the display. The series MTL can be software configured to begin measuring based on a time delayed-start or by push-button. The logger can store up to 43,344 readings and can be set to stop on memory full or for continuous recording. Stored data is downloaded by plugging the unit into a PC’s USB port (cable included). The loggers provide measurements for many environment conditions, which make them ideal for refrigeration systems, laboratories, and medical storage facilities.

**Series MTL Model Comparison**

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Type</th>
<th>Display</th>
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</thead>
<tbody>
<tr>
<td>MTL-20</td>
<td>Temperature/Humidity/Dew Point</td>
<td>No</td>
</tr>
<tr>
<td>MTL-30</td>
<td>Temperature/Humidity/Dew Point</td>
<td>Yes</td>
</tr>
<tr>
<td>MTL-20-LCD</td>
<td>Temperature/Humidity/Dew Point</td>
<td>Yes</td>
</tr>
<tr>
<td>MTL-30-LCD</td>
<td>Temperature/Humidity/Dew Point</td>
<td>Yes</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Temperature Range:** MTL-20: -40 to 185°F (-40 to 85°C); MTL-30: -40 to 160°F (-40 to 70°C), 0% to 99% RH (non condensing).
- **Accuracy:** MTL-20: ±1°F (±0.5°C); MTL-30: ±1°F (±0.5°C), ±2% RH from 10% to 90% RH.
- **Resolution:** Non-LCD models: 0.01°F (0.01°C), 0.01% RH; LCD models: 0.1°F (0.1°C), 0.1% RH.
- **Memory Size:** 43,344 temperature; 21,672 each temperature and RH.
- **Power Requirements:** 3.0 V lithium battery (included).
- **Alarms:** Programmable high/low.
- **Interface:** USB port (cable included).
- **Weight:** 1 oz (28 g).
- **Agency Approvals:** CE.