The Series BDL Button Data Logger records temperatures and humidity in applications where size and cost effectiveness are key. The BDL is housed in a SS case and is water-resistant, making it durable in hostile environments where excessive moisture is present. The BDL is self-powered and features a USB interface. Sample rate and high/low alarms are user selectable through the Windows®-based application. The included software displays downloaded data graphically with trace and zoom functions. The logger is very small which enables it to be inserted into small items and packages. The Series BDL-K Logger Kit includes 2 buttons, 2 magnets, an interface cable, and a plastic button holder.

**ACCESSORIES**

- BDL-K2: Temperature/Humidity
- BDL-2: Temperature/Humidity
- BDL-1: Temperature

**Series BDL**

**Self-Powered, Compact Size, USB Interface**

**SPECIFICATIONS**

- **Range**: BDL-1: -40 to 185°F (-40 to 85°C); BDL-2: -4 to 185°F (-20 to 85°C), 0 to 100% RH.
- **Memory Size**: BDL-1: 2048 readings; BDL-2: 4096 temperature and 4096 humidity readings (low resolution); 2040 temperature and 2048 humidity readings (high resolution).
- **Accuracy**: BDL-1: ±1°F (±1°C) from -22 to 158°F (-30 to 70°C); BDL-2: ±0.9°F (±0.5°C) from 14 to 158°F (-10 to 70°C), ±5% RH.
- **Resolution**: BDL-1: 8 bit; BDL-2: 8 or 11 bit.
- **Sampling Method**: Stop on memory full or continuous recording.

**Sampling Rate**: BDL-1: Selectable from 1 to 255 min; BDL-2: Selectable from 1 s to 24 hrs.


**Power Requirements**: 3 V lithium metal battery, internal, non-replaceable.

**Battery Life**: BDL-1: 10 years (approx); BDL-2: 5 years (approx).

**Alarms**: Programmable high/low.

**Interface**: USB port (cable included).

**Housing Material**: 305 SS.

**Weight**: 0.14 oz (4 g).

**Agency Approvals**: CE, RoHS.

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Type</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDL-1</td>
<td>Temperature</td>
<td>No</td>
</tr>
<tr>
<td>BDL-2</td>
<td>Temperature/Humidity</td>
<td>No</td>
</tr>
<tr>
<td>BDL-K1</td>
<td>Temperature</td>
<td>Yes</td>
</tr>
<tr>
<td>BDL-K2</td>
<td>Temperature/Humidity</td>
<td>Yes</td>
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</table>

<table>
<thead>
<tr>
<th>Model</th>
<th>Input Type</th>
<th>Display</th>
</tr>
</thead>
<tbody>
<tr>
<td>BDL-CLIP</td>
<td>Plastic Button Holder (5 pk)</td>
<td></td>
</tr>
</tbody>
</table>

**MINIATURE USB DATA LOGGER**

**Series MTL**

**20/30**

**Measure Temperature, Humidity, and Dew Point**

**SPECIFICATIONS**

- **Temperature Range**: MTL20: -40 to 185°F (-40 to 85°C); MTL30: -40 to 165°F (-40 to 70°C), 0% to 99% RH (non-condensing).
- **Accuracy**: MTL20: ±1°F (±0.5°C); MTL30: ±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.

**Sampling Mode**: Stop on memory full or memory rollover for continuous recording.

**Sampling Rate**: 1 s to 18 hrs.

**Computer Requirements**: Windows® based application software included.

**Power Requirements**: 3 V CR2032 lithium metal battery, installed functional, user replaceable.

**Alarms**: Programmable high/low.

**Interface**: USB port (cable included).

**Weight**: 1 oz (28 g).

**Agency Approvals**: CE.

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