**Series DW-USB**

**COMPACT USB DATA LOGGER**

Measure Temperature, Humidity, Dew Point, Current, Voltage, or Carbon Monoxide

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### Data Loggers

- **TEST & DATA**
- **196**
- **Dwyer Instruments, LLC** | dwyer-inst.com

### Applications

- Storage warehouses
- Pharmaceutical plants
- Environmental chambers
- Calibration labs

### Benefits/Features

- Optional integral LCD display for local indication
- LED status indicators for visual confirmation
- All in one unit plugs into PC with no cable required
- Meets IP67 standards when the protective cap is fitted

### Software Available

Software available for free download from our website.

Users can set the sampling rate, start time, high/low alarms, and temperature unit via attached, and has built in LED’s to indicate an alarm has been met or the battery is low.

### Series DW-USB Compact USB Data Logger

The Series DW-USB Compact USB Data Logger allows users to monitor temperature, humidity, dew point, voltage, current, or carbon monoxide almost anywhere, and then download stored data by simply plugging the module directly into a PC’s USB port. The compact housing can resist moisture up to IP67 when the protective cap is fitted then download stored data by simply plugging the module directly into a PC's USB port.

### BENEFITS/FEATURES

- Meets IP67 standards when the protective cap is fitted
- All in one unit plugs into PC with no cable required
- LED status indicators for visual confirmation
- Optional integral LCD display for local indication

### Specifcations

#### Memory Size:

- 16,382 temperature
- 16,382 each temperature and RH
- 32,764 for carbon monoxide.

#### Sampling Mode:

- Stop on memory full.

#### Sampling Rate:

- Selectable from 10 s to 12 hr (temperature and RH models); 1 s to 12 hr (voltage, current, and thermocouple models). 10 s to 5 min (CO models).

#### Computer Requirements:

- Compatible with Windows® 7, Windows® 8, and Windows® 10.

#### Power Requirements:

- 3.6 V 1/2 AA lithium metal battery, included, user replaceable.

#### Housing:

- ABS plastic blend.

#### Interface:

- USB port.

#### Alarms:

- Programmable high/low.

#### Interface:

- USB port.

#### Weight:

- 1.5 oz (43 g).

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### Model Chart

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensor Type</th>
<th>Range</th>
<th>Accuracy</th>
<th>Resolution</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW-USB-1</td>
<td>Temperature</td>
<td>-31 to 176°F (-35 to 80°C)</td>
<td>±3°F (±1.5°C)</td>
<td>1°F (0.5°C)</td>
</tr>
<tr>
<td>DW-USB-2</td>
<td>Temperature/humidity/dew point</td>
<td>-31 to 176°F (-35 to 80°C)</td>
<td>±3°F (±1.5°C); ±2% RH from 20 to 80% RH; ±5% RH</td>
<td>1°F (0.5°C); 0.5% RH</td>
</tr>
<tr>
<td>DW-USB-3</td>
<td>Voltage</td>
<td>0-30 VDC</td>
<td>±1%</td>
<td>50 mVDC</td>
</tr>
<tr>
<td>DW-USB-4</td>
<td>Current</td>
<td>4-20 mA</td>
<td>±6% of reading</td>
<td>0.05 mA</td>
</tr>
<tr>
<td>DW-USB-5</td>
<td>Carbon monoxide</td>
<td>0 to 1000 PPM</td>
<td>±4% of reading</td>
<td>0.5 PPM</td>
</tr>
<tr>
<td>DW-USB-5-LR</td>
<td>Carbon monoxide</td>
<td>0 to 300 PPM</td>
<td>±2°F (1°C) (for data logger only)</td>
<td>1°F (0.5°C)</td>
</tr>
<tr>
<td>DW-USB-6</td>
<td>External thermocouple</td>
<td>With supplied probe: 32 to 752°F (0 to 400°C)</td>
<td>±2°F (1°C) (for data logger only)</td>
<td>1°F (0.5°C)</td>
</tr>
<tr>
<td>DW-USB-1-LCD</td>
<td>Temperature</td>
<td>-31 to 176°F (-35 to 80°C)</td>
<td>±3°F (1°C)</td>
<td>1°F (0.5°C)</td>
</tr>
<tr>
<td>DW-USB-2-LCD</td>
<td>Temperature/humidity/dew point</td>
<td>-31 to 176°F (-35 to 80°C)</td>
<td>±3°F (1°C)</td>
<td>1°F (0.5°C)</td>
</tr>
<tr>
<td>DW-USB-2-HA-LCD</td>
<td>Temperature/humidity/dew point</td>
<td>-31 to 176°F (-35 to 80°C)</td>
<td>±3°F (1°C)</td>
<td>1°F (0.5°C)</td>
</tr>
<tr>
<td>DW-USB-6-LCD</td>
<td>External Thermocouple</td>
<td>With supplied probe: 32 to 752°F (0 to 400°C)</td>
<td>±2°F (1°C) (for data logger only)</td>
<td>1°F (0.5°C)</td>
</tr>
</tbody>
</table>

### Accessesories

- **1718-0077** Remote temperature probe handle
- **1818-0074** Immersion temperature probe
- **1818-0078** Penetration temperature probe
- **1818-0082** Surface temperature probe
- **1818-0085** Air duct temperature probe

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