The portable SERIES DW-USB-LCD USB Data Loggers displays and records temperature, humidity and dew point. The easy-to-read LCD display shows the current temperature or humidity along with the minimum and maximum reading since last reset. For applications that require more accuracy, a high accuracy temperature and humidity model is available. Thermocouple models come with a basic K-type thermocouple capable of reading from 32 to 752°F (0 to 400°C) and can accept any J, K, or T type thermocouple with a mini-plug connector. Series DW-USB-LCD data loggers use a free downloadable Windows® based software which allows selection of the sampling rate, start time, high/low alarm settings, and temperature unit application. For quick downloading of data, the data logger can be plugged directly into a PC's USB port with no cable required. Downloaded data can then be graphed, printed, or exported to other spreadsheet applications.

**OPERATING INSTRUCTIONS**

**LED FLASHING INDICATORS**

<table>
<thead>
<tr>
<th>Model</th>
<th>Overall Length (X)</th>
<th>Base Length (Y)</th>
<th>Body</th>
<th>Cap</th>
<th>LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>DW-USB-1-LCD</td>
<td>4-15/32”</td>
<td>4-41/64”</td>
<td>Standard</td>
<td>Transparent</td>
<td>Red/green</td>
</tr>
<tr>
<td>DW-USB-2-LCD</td>
<td>4-31/32”</td>
<td>4-57/64”</td>
<td>Vented</td>
<td>Transparent</td>
<td>Red/green</td>
</tr>
<tr>
<td>DW-USB-2-HA-LCD</td>
<td>4-31/32”</td>
<td>4-57/64”</td>
<td>Plug in bottom</td>
<td>Transparent</td>
<td>Red/green</td>
</tr>
<tr>
<td>DW-USB-6-LCD</td>
<td>5-19/64”</td>
<td>5-15/64”</td>
<td>Vented</td>
<td>Transparent</td>
<td>Red/green</td>
</tr>
</tbody>
</table>

**SPECIFICATIONS**

- **Range**: DW-USB-1-LCD: Temperature -31°F to 176°F (-35 to 80°C); DW-USB-2-LCD: Temperature -31°F to 176°F (-35 to 80°C); DW-USB-2-HA-LCD: Temperature -31°F to 176°F (-35 to 80°C); DW-USB-6-LCD: K-type: -328°F to 2372°F (-200 to 1300°C); J-type: -202°F to 1652°F (-130 to 900°C); T-type: -328°F to 662°F (-200 to 350°C).
- **Accuracy**: DW-USB-1-LCD: ±3°F (1.5°C); DW-USB-2-LCD: ±4°F (2°C), ±3% RH from 20 to 80% RH, ±5% RH; DW-USB-2-HA-LCD: ±3°F (1.5°C), ±2% RH from 20 to 80%, ±% RH; DW-USB-6-LCD: ±2°F (±1°C) for the data logger only.
- **Resolution**: Temperature: 1°F (0.5°C); Humidity: 0.5% RH.
- **Memory Size**: Thermocouple models: 32510 readings; Temperature/humidity models: 16382 readings.
- **Sampling Mode**: Stop when full, or roll over.
- **Sampling Rate**: Selectable from 10 seconds to 12 hours for temperature/humidity models; 1 second to 12 hours for thermocouple models.
- **Display**: LCD and 2 LEDs.
- **Computer Requirements**: Compatible with Windows® 7, Windows® 8, and Windows® 10.
- **Power Requirements**: 3.6 1/2 AA battery (included).
- **Housing**: ABS plastic blend.
- **Alarms**: Programmable high/low.
- **Agency Approvals**: CE, RoHS.
- **Weight**: Temperature/humidity models 1.6 oz (45.4 g); Thermocouple models 1.8 oz (51 g).

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LCD INDICATORS

<table>
<thead>
<tr>
<th>Display</th>
<th>Logger Status</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>d5</td>
<td>Start Date</td>
<td>This is shown when the logger is set to start at a specific date and time*</td>
</tr>
<tr>
<td>p5</td>
<td>Push to Start</td>
<td>This is shown when the logger is set to push to start logging</td>
</tr>
<tr>
<td>109</td>
<td>Logging</td>
<td>This is shown when the logger is currently logging in “Hold” mode, and the button is pressed. The display shows again after three seconds.</td>
</tr>
<tr>
<td>- - -</td>
<td>Stopped</td>
<td>If the logger has not been set to log and the button is pressed, three dashes are displayed for three seconds. Otherwise the display will remain blank.</td>
</tr>
</tbody>
</table>

* If the logger is set to “LCD off” or “LCD on for 30 seconds” mode, then this will be shown after the button is pressed. Otherwise, the display will remain blank.

LOWEST LOGGED HUMIDITY READING

HIGHEST LOGGED HUMIDITY READING

LOWEST LOGGED TEMPERATURE READING

HIGHEST LOGGED TEMPERATURE READING

DISPLAY AND STATUS FUNCTIONS

DW-USB-2-LCD

DW-USB-6-LCD

SOFTWARE INSTALLATION

This software must be installed prior to the USB Driver. Please follow the instructions below then refer to the USB Driver Installation based on the Windows® operating system you are using.

1. Visit our website www.dwyer-inst.com/DW-USBSoftware and click on the download link. If the download folder doesn’t open directly, go to your computer’s “Downloads” folder and double-click on the “EasyLogUSBV610_Dwyer” folder.
2. Double-click on “setup” then follow the on-screen instructions to complete the Configuration Software Installation.
3. An EasyLog USB icon will now be placed on your desktop.

USB DRIVER INSTALLATION

Windows® 7/Windows® 8/Windows® 10 Operating Systems:

You must install the Configuration Software as instructed in the previous section before going through these steps.

1. Insert the USB data logger directly into a USB port on the computer. Installation screens should automatically appear.
2. Follow the on-screen instructions to complete the Configuration Software Installation. If a compatibility error window appears, click “Continue Anyway”. This will not cause any adverse changes/effects on your computer.
3. You can now begin using our data logger by double clicking on the EasyLog USB icon on your computer’s desktop.

MAINTENANCE

Upon final installation of the Compact DW-USB-LCD Data Logger, no routine maintenance is required. Leaving the logger plugged into your computer for an extended period of time will considerably lower its battery life. A periodic check of system calibration is recommended. The Series DW-USB-LCD is not field serviceable and should be returned if repair is needed (field repair should not be attempted and may void warranty). Be sure to include a brief description of the problem plus any relevant application notes. Contact customer service to receive a return goods authorization number before shipping.

BATTERY INSTALLATION

Before using the data logger, you will need to insert the 3.6 V 1/2 AA battery provided, following the instructions below.

1. Use screwdriver to gently depress tab of the battery compartment.
2. Pull battery cover towards you, away from the unit.
3. Install the battery, taking note of polarities.
4. Replace battery cover. Cover is secure when tab returns to original position.

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