The Series DLI LCD Data Logger gives instant remote readings of temperature, humidity, or atmospheric pressure. The large, back-lit LCD and 8-button keypad provide convenient access to current data and recorder setup as well as memory and battery levels. The wall-mountable data logger can store at least 87,000 readings per channel. The easy to use DL700 software makes creating permanent records, performing data calculations, and graphing of data simple. The DLI can easily be started and stopped from a PC or delayed to start up to six months in advance. It can also stop recording at a specified time or after a certain number of readings have been taken.

**SPECIFICATIONS**

**RTD Sensor:**
- Range: -328 to 1562°F (-200 to 850°C);
- Probe accuracy: ±0.09°F (±0.05°C) for -328 to 500°F (-200 to 260°C), ±0.5°F (±0.3°C) for 500 to 1562°F (260 to 850°C);
- Resolution: 0.01°F (0.01°C).

**Thermocouple Sensor:**
- Internal range: -4 to 140°F (-20 to 60°C);
- Accuracy: ±0.9°F (±0.5°C) internally and for types J, K, T, E, and N, ±3°F (±2°C) for types R, S, and B;
- Resolution: 0.2°F (0.1°C) internally and for types J, K, T, E, and N, 0.9°F (0.5°C) for types R, S, and B.

**Temperature/Humidity Sensor:**
- Range: -4 to 140°F (-20 to 60°C), 0 to 95% RH;
- Accuracy: ±0.9°F (±0.5°C) for 32 to 122°F (0 to 50°C), 3% RH;
- Resolution: 0.2°F (0.1°C), 0.1% RH.

**Temperature/Humidity/Pressure Sensor:**
- Range: -40 to 302°F (-20 to 60°C), 0 to 95% RH, 0 to 30 psia;
- Accuracy: ±0.9°F (±0.5°C), ±3% RH, ±1.0% FSR @ 77°F (25°C);
- Resolution: 0.2°F (0.1°C), 0.1% RH, 0.002 psia.

**Memory Size:** 174,762 readings (DLI-R), 131,071 readings per channel (DLI-T, DLI-H) and 87,381 readings per channel (DLI-P).

**Sampling Method:** Stop on memory full or continuous recording.

**Sampling Rate:** Selectable from 2 sec to 24 hrs.

**Computer Requirements:** Windows® 95, Windows® 98, Windows® 2000, Windows® ME, Windows® NT®, and Windows® XP operating systems, one free USB port.

**Power Requirements:** User replaceable, 9V lithium battery. Optional AC adapter.

**Battery Life:** 1 year with display off, 30 days with continuous display usage (approx).

**Interface:** USB port (interface cable required).

**Housing:** Black anodized aluminum case.

**Weight:** 16 oz (440 g).

**Agency Approvals:** CE, model DLI-R not CE approved.

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**Thermocouple Type**

<table>
<thead>
<tr>
<th>Thermocouple Type</th>
<th>Range °F</th>
<th>Range °C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type J</td>
<td>-346 to 1400</td>
<td>-210 to 760</td>
</tr>
<tr>
<td>Type K</td>
<td>-436 to 2498</td>
<td>-260 to 1370</td>
</tr>
<tr>
<td>Type T</td>
<td>-436 to 752</td>
<td>-260 to 400</td>
</tr>
<tr>
<td>Type E</td>
<td>-436 to 1796</td>
<td>-260 to 980</td>
</tr>
<tr>
<td>Type R</td>
<td>-58 to 3200</td>
<td>-50 to 1760</td>
</tr>
<tr>
<td>Type S</td>
<td>-58 to 3200</td>
<td>-50 to 1760</td>
</tr>
<tr>
<td>Type B</td>
<td>140 to 3308</td>
<td>60 to 1820</td>
</tr>
<tr>
<td>Type N</td>
<td>-436 to 2372</td>
<td>-260 to 1300</td>
</tr>
</tbody>
</table>

**ACCESSORIES**

DL700, Software, Manual and USB Interface Cable
U9VL-J, 9V Replacement Battery
DLI-120, 9V Power Adapter (North America)
DLI-230, 9V Power Adapter (Europe)