The Model HTDL-10 is a high temperature data logger that can handle being placed in conditions of extreme heat of up to 302°F (150°C). This submersible and portable data logger can record over 32,000 measurements and has a 2 inch rigid external probe to ensure fast and accurate temperature readings. The easy to use DL700 software makes retrieving data simple. The HTDL-10 can easily be started and stopped from a PC or delayed to start up to six months in advance.

**SPECIFICATIONS**

**Range:** -40 to 302°F (-40 to 150°C).

**Memory Size:** 32,767 readings.

**Accuracy:** ±0.9°F (±0.5°C).

**Resolution:** 0.1°F (0.05°C).

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

**Sampling Rate:** Selectable from 1 sec to 12 hrs.

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

**Power Requirements:** Factory replaceable, 3.9 V high-temperature lithium battery.

**Battery Life:** 1 year (approx).

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

**Material:** 316 Stainless Steel.

**Weight:** 8 oz (227 g).

**Agency Approvals:** CE.

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Before the device is submerged, screw on the cap tightly to make sure that the logger is properly sealed.

SOFTWARE INSTALLATION
1. Insert installation CD and click Install Dwyer 2.00.
2. Follow onscreen instructions.
3. Next, click Install USB Interface Drivers on the CD Contents screen.
4. Click Install.

A message may appear stating that the software has not passed Windows Logo Testing. This software has been tested and works properly. Click Continue anyway if this window appears.

CONNECT THE LOGGER
1. Remove the Warning sticker from the USB Data Logger Interface converter to uncover the female end of the jack.
2. Insert one end of the jack into the USB Data Logger Interface converter and the other end into the serial port in the data logger.
3. The serial port is located under the cap that is on the face of the logger. Unscrew the cap and connect the cable.
4. Connect the DL700 USB cord to the PC and connect the other end to the USB Data Logger Interface converter.

START THE LOGGER
1. To start the logger, from the Communication menu select Auto Configure Port.
2. From the Device menu select Start Device and choose the desired Reading Rate, the preferred method for starting the logger, and the alarm settings.
3. Click the Start button.

Starting the device erases all data currently stored in the logger.
4. The logger will stop recording when the device is full or when Stop Device is selected from the Device menu.

DOWNLOAD DATA
1. To download data, connect the logger to the PC.
2. From the Device menu select Read Device Data.
3. Data is then presented graphically.

**For more detailed information on using the DL700 software, please consult the Software Manual.

BATTERIES
The battery is factory replaceable, and the typical battery life is 1 year. Fast logging will considerably shorten the battery life. To preserve battery life, it is recommended to use the longest practical sampling rate, and when the logger is not in use, select Stop Device from the Device menu.

MAINTENANCE
Upon final installation of the Model HTDL-10 Data Logger, no routine maintenance is required. The Model HTDL-10 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.