

TruTrack Data Logger

Humidity / Temperature Logger Model HT-LCD

Dual Channel High Resolution
(16 bit) Humidity & Temperature
Data Logger with LCD Display.

The HT-LCD is a handheld humidity data logger with an integral humidity sensor and liquid crystal display. Both Relative Humidity and Dew Point can be displayed and logged. The HT-LCD uses a Sensirion SHT11 digital humidity sensor giving $\pm 3.0\%$ RH accuracy from 20%RH to 80%RH.

This logger is designed for indoor use (IP 40). For outdoor applications, we recommend using a THT-LCD with a TruTrack Seahorse Logger Enclosure. The THT-LCD logger is identical to the HT-LCD logger, except that it has an external Humidity/Temperature probe.

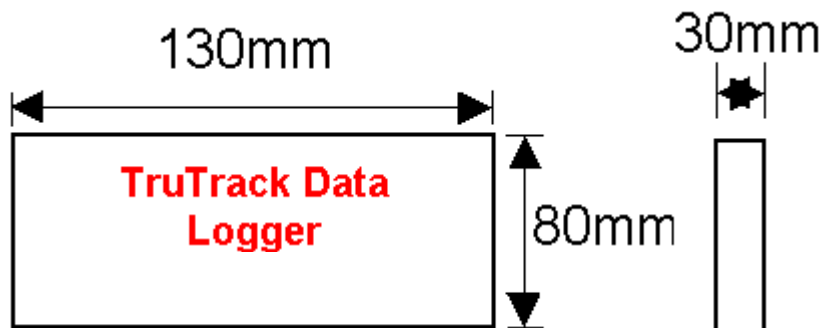
Features:

- Temperature can be set to any combination of Point, Average, Maximum & Minimum readings.
- The data from any logger that records Temperature and Relative Humidity can be processed, by the OmniLog software, to add Absolute Humidity and/or Dew Point readings to the data.
- The battery voltage of the logger can be logged if required.
- The logger can be run in either "Stop when memory is Full", "Loop Around" mode or set to stop at a future time.
- The logger can be started "Now" or started at a given time in the future.
- The data from any logger that records Temperature can now be processed, by the OmniLog software, to give daily, weekly and monthly accumulated Grow Degree Day reports for a wide range of horticultural crops.



Ordering Information: HT-LCD LCD Humidity / Temperature data logger

HT-LCD Dimensions:



Putting into service:

1. From the SWDL-DLC OmniLog software and Download cable kit, **first install the OmniLog software**, then plug the Download cable into a spare USB or serial port on your PC (depending on which type you have). The OmniLog has an excellent "Help". This will need to be read to enable successful operation of the OmniLog Data Management Program and gain familiarisation of the many advanced features available.
2. Connect the TruTrack Logger. Under healthy circumstances, a "Logger Control" screen will load. If the "Logger Control" screen does not load, click on the button labelled "Connect to a Logger for the first time". The OmniLog will run a test on the serial ports and advise if the port the logger is connected to is not available, in which case, plug the logger into an available port. (Refer to "Help" for further assistance.)
3. On the "Logger Control" screen, click on "Channel and Probe Setup" button, and check the Battery Condition, plus other configurations if connecting to the pH-HR or mV-HR loggers.

Now click on the "Start Logger" tab for the final configurations, before putting the logger into service.

Product Liability. This information describes our products. It does not constitute guaranteed properties and is not intended to affirm the suitability of a product for a particular application. Due to ongoing research and development, designs, specifications, and documentation are subject to change without notification. Regrettably, omissions and exceptions cannot be completely ruled out. No liability will be accepted for errors, omissions or amendments to this specification. Technical data are always specified by their average values and are based on Standard Calibration Units, unless otherwise specified. Each product is subject to the 'Conditions of Sale'.

Warning: These products are not designed for use in, and should not be used for patient connected applications. In any critical installation an independent fail-safe back-up system must always be implemented.

Liquid Crystal Display Operation:

The HT-LCD displays logger status and alarm status continuously and can be set to show the relative humidity, dew point, temperature, the battery voltage and the number of logged samples.

Logger status is shown as:

- **Running**
- **Stopped**
- **Waiting** (Waiting for “Start on Condition”)
- **Waiting Trigger** (Waiting for “Start on Trigger”)

If the logger is waiting for “Start on Trigger” it can be started in the field from the Menu provided on the display.

If an Alarm has been triggered the display will show

- **Alarm 1**
- **Alarm 2**

If both Alarms are triggered “**Alarm**” will be displayed continuously and “**1**” and “**2**” will flash consecutively.

Low Batt will be displayed if the internal batteries require replacement.

HT-LCD Menu Options:

Pressing the Enter button on the front panel of the HT-LCD activates the Menu Display. The Down Arrow can then be used to scroll down through the various Menu Options. When the required menu option is displayed, press Enter to select this option.

Menu Options on the HT-LCD are:

- Channel 1 (Display Relative Humidity)
- Channel 2 (Display Dew Point)
- Channel 3 (Display Temperature)
- Channel 5 (Display Battery Voltage)
- Samples (Display number of samples logged)
- Trigger (If logger is waiting for Start on Trigger)
- Alarm 1 (Reset/Trigger) Trigger is used to test
- Alarm 2 (Reset/Trigger) the Alarms
- °C / °F toggle

The display will update at 1 second intervals for 1 minute after any button is pushed. It will then slow down to 10 second display updates (this is a power saving feature).



