

HDT-350/400 Thermocouple USB Data Loggers

Measure and store over 32,000 temperature readings from either a K, J or T type thermocouple (attached at the base of the unit).

Available Models:

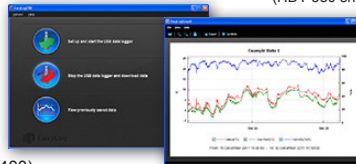
- HDT-350: Thermocouple Data Logger (EL-USB-TC)
- HDT-400: Thermocouple Data Logger with LCD (EL-USB-TC-LCD)

Both models are supplied with a basic Type K thermocouple for 0°C to +400°C (+32°F to +752°F) measurement, and a long-life replaceable lithium battery which can typically allow logging for 6 months (depending on logging rate, ambient temperature and use of alarm LEDs). Status is indicated by flashing red and green LEDs.

The HDT-400 model features a high contrast 4-digit LCD display that can show several different temperature variables at the touch of a button: last temperature, maximum logged and minimum logged temperature.

Easily configure each data logger by plugging it into a PC's USB port and running the free EasyLog USB* software, available for download via the provided website link. Configuration options include: logger name, measurement unit (°C or °F), logging rate, high/low alarm levels, start date/time and logging mode. Logged data can be downloaded via the software and then graphed, printed or exported to other applications.

- Accepts K, J, T thermocouple inputs
- Supplied with basic Type K thermocouple
- High contrast, 4-digit LCD (HDT-400)
- Programmable alarm thresholds
- Status indication via red and green LEDs
- Replaceable battery supplied
- Link to free configuration software supplied
- Immediate, delayed and push-to-start logging (HDT-400)
- Detachable wall clip cap (HDT-350), separate wall clip (HDT-400)



HDT-350



HDT-400



Example Type K Thermocouple (HDT-350 shown)



Example LEDs (HDT-400 shown)

Also available
HDT-BATTERY
 Replacement non-rechargeable
 3.6V ½ AA size lithium battery



Supplied Thermocouple: Type K, 100mm x 3.0mm Ø stainless steel probe, 1350mm fibreglass insulated cable with miniature thermocouple plug attached.

Technical Details			
Probe Measurement Range	Type K Thermocouple	-200°C to +1350°C (-328°F to +2462°F)	
	Type J Thermocouple	-200°C to +1190°C (-328°F to +2174°F)	
	Type T Thermocouple	-200°C to +390°C (-328°F to +734°F)	
Resolution (internal and displayed)	0.5°C (+1°F) Typical		
Accuracy (logger error)	±1°C (±2°F) Typical		
Logging Rate	1s, 10s, 1m, 5m, 30m, 1hr, 6hr, 12hr		
Operating Temperature Range	-10°C to +40°C (+14°F to +104°F)		
Readings	Up to 32,510		
Battery	3.6V ½ AA lithium battery (replaceable)		
Order Code	Lascar Code	EL-USB-TC	EL-USB-TC-LCD
	Thermosense Code	HDT-350	HDT-400

HDT-PAD Hand-held Programmer/Data Collector

The HDT-PAD features a colour, 2.8 inch, touch-screen TFT display and can be used to configure the HDT range of USB data loggers, download data, or view data on-the-spot, without having to remove the data logger from the environment being measured. This allows continual logging with shorter breaks in data collection, less travel for the user, on-site data collection in graph, legend and summary format, and the ability for users to re configure loggers 'in the field'. Data from up to 100 loggers can be viewed on the HDT-PAD, with data from a further 400 units stored on the unit.

Technical Details	
Data Recording Capacity	> 8.5 million readings (Typical)
Operating Time (on single charge)	Typically 8 hours (5 hours constant use)
Operating Temperature Range	0°C to +50°C (+32°F to +122°F)
Battery	Lithium Polymer, rechargeable via micro-USB connection
LCD	240x320 2.8" TFT with touch-screen
Memory	Internal Flash memory
Power Button	Single front-panel push-button used as power-switch
Data Connection Interface	1 x micro-USB for connection to computer via 1m USB cable (supplied)
Dimensions	107mm (H) x 68mm (W) x 19mm (D)
Data Logger Compatibility	HDT-200, HDT-220, HDT-250, HDT-300, HDT-350, HDT-400, HDT-500



EasyLog

Also available
HDT-PAD-CASE
 Rubber casing that fits around the HDT-PAD providing protection from scratches and light knocks.

Order Code	Lascar Code	EL-DataPad	PAD-BOOT-BLACK
	Thermosense Code	HDT-PAD	HDT-PAD-CASE

EasyLog software is downloadable for free via a supplied website link. Compatible with 32-bit and 64-bit versions of Windows 7, 8 and 10.