

## 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).

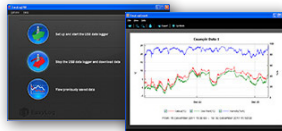
- HDT-350: Thermocouple Data Logger (EL-USB-TC)
- HDT-400: Thermocouple Data Logger with LCD (EL-USB-TC-LCD)

Both models are supplied with a basic Type K thermocouple for 0°C to +200°C (+32°F to +392°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. 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)



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



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)	
Internal Resolution		0.5°C (+1°F)	
Accuracy (overall error)		±1°C (±2°F) data logger only - thermocouple error not included	
Logging Rate		User selectable between 1 sec and 12 hours	
Operating Temperature Range		-10°C to +40°C (+14°F to +104°F)	
Readings		32,510	
Battery		3.6V ½ AA lithium battery (replaceable)	
Supplied Thermocouple	Type K, 100mm x 3.0mm Ø stainless steel probe, 1350mm fibreglass insulated cable with miniature thermocouple plug.		
	<b>order code</b>	Lascar code Thermosense code	EL-USB-TC HDT-350      EL-USB-TC-LCD 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 reconfigure 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 at any one time.



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	240 x 320 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 a PC using 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



Also available HDT-PAD-CASE	Protects against scratches/light knocks	<b>order code</b>	Lascar code Thermosense code	EL-DataPad HDT-PAD	PAD-BOOT-BLACK HDT-PAD-CASE
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\* EasyLog software is downloadable for free via a supplied website link. Please visit our website for latest software compatibility information.

