

## HDT-GFX-1 Temperature Data Logger with Graphic LCD Screen

The HDT-GFX-1 standalone USB data logger measures and stores over 250,000 temperature readings over a -30°C to +80°C (-22°F to +176°F) range and at a resolution of 0.1°C. Using the free EasyLog USB\* software (available for download) users can quickly set up the data logger and view downloaded data on a PC using the supplied USB cable. The data logger's robust design provides IP67 waterproof protection and the two replaceable ½ AA batteries typically allow logging for up to six months. Includes wall-mounting clip and magnet.



Technical Details	
Measurement Range	-30°C to +80°C (-22°F to +176°F)
Internal Resolution	0.1°C (0.1°F)
Accuracy (overall error)	±0.1°C (±0.2°F) Typical, ±0.5°C (±1°F) Max
Logging Rate	Every 10s (Min), every 1hr (Max)
Operating Temperature Range <sup>6</sup>	-30°C to +80°C (-22°F to +176°F)
Battery / Battery Life <sup>7</sup>	2x3.6V ½ AA lithium battery / 6 months
Dimensions	88.0mm (H) x 48.5mm (W) x 30.5mm (D)



- 30 to +80°C (-22 to +176°F) measurement range
- Logging rates between 10 seconds and 1 hour
- Immediate, delayed, push-button or temperature triggered start mode
- Graphic LCD shows real-time readings, graph, current status
- Stores over 250,000 readings

Order Code	Lascar Code	EL-GFX-1
	Thermosense Code	HDT-GFX-1

## HDT-GFX-2 Temperature/Relative Humidity Data Logger with Graphic LCD Screen

The HDT-GFX-2 standalone USB data logger measures and stores over 250,000 temperature and humidity readings over a -30°C to +80°C (-22°F to +176°F) and 0 to 100%RH range at a resolution of 0.1°C and 0.1%RH. Using the free EasyLog USB\* software (available for download) users can quickly set up the data logger and view downloaded data on a PC using the supplied USB cable. The data logger's robust design provides IP67 waterproof protection and the two replaceable ½ AA batteries typically allow logging for up to four months. Includes wall-mounting clip and magnet.



Technical Details		
Relative Humidity	Measurement Range	0%RH to 100%RH
	Internal Resolution	±0.1%RH
	Accuracy (overall error)	±3.0%RH Typical <sup>1</sup> , ±5.0%RH Max
	Repeatability	0.5%RH Typical
	Long Term Stability	0.5%RH/year Typical
Temperature	Measurement Range	-30°C to +80°C (-22°F to +176°F)
	Internal Resolution	0.1°C (0.1°F) Typical
	Accuracy (overall error)	±0.5°C (±1.0°F) Typical, ±2.0°C (±4.0°F) Max
	Repeatability	±0.1°C (±0.2°F) Typical
Dew Point	Accuracy (overall error)	±1.1°C (±2.0°F) Typical <sup>2</sup>
Logging Rate	Every 10s (Min), every 1hr (Max)	
Operating Temperature Range <sup>6</sup>	-30°C to +80°C (-22°F to +176°F)	
Battery / Battery Life <sup>7</sup>	2x3.6V ½ AA lithium battery / 4 months	
Dimensions	88.0mm (H) x 48.5mm (W) x 30.5mm (D)	



- 30 to +80°C and 0 to 100% RH measurement ranges
- Logging rates between 10 seconds and 1 hour
- Immediate, delayed, push-button or temperature/RH triggered start mode
- Graphic LCD shows real-time readings, graph, current status
- Stores over 250,000 readings

Order Code	Lascar Code	EL-GFX-2
	Thermosense Code	HDT-GFX-2

## HDT-GFX-DTC Dual Channel Thermocouple Data Logger with Graphic LCD Screen

The HDT-GFX-DTC standalone USB data logger measures and stores over 250,000 temperature readings from two K, J or T type thermocouple inputs at a resolution of 0.1°C. Using the free EasyLog USB\* software (available for download) users can quickly set up the data logger and view downloaded data on a PC using the supplied USB cable. The data logger features a high-contrast graphic LCD and three-input buttons which allows users to start, stop and restart the data logger using on-screen menus. The two replaceable ½ AA batteries typically allow logging for up to four months. Includes wall-mounting clip and magnet.



Technical Details		
Probe	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	0.1°C (0.1°F) Typical <sup>3</sup>	
Accuracy (overall error)	±0.5°C (±0.9°F) Typical <sup>4</sup>	
Logging Rate	Every 1s (Min), every 1hr (Max)	
Operating Temperature Range <sup>5</sup>	-10°C to +40°C (-14°F to +104°F)	
Battery / Battery Life <sup>7</sup>	2x3.6V ½ AA lithium battery / 4 months	
Dimensions	102.0mm (H) x 48.5mm (W) x 30.5mm (D)	



- Dual channel, compatible with K, J & T type Thermocouples
- Logging rates between 2 seconds and 1 hour
- Immediate, delayed, push-button or temperature triggered start mode
- Graphic LCD shows real-time readings, graph, current status
- Stores over 250,000 readings

Order Code	Lascar Code	EL-GFX-DTC
	Thermosense Code	HDT-GFX-DTC

<sup>1</sup> This specifies the overall error in the logged readings, for relative humidity measurements between 20 and 80%RH.

<sup>2</sup> This specifies the overall error in the calculated dew point for relative humidity measurements between 40 and 100%RH at 25°C.

<sup>3</sup> Above 999.9°C/F display becomes 1°C, internal resolution remains at 0.1°C/F.

<sup>4</sup> Quoted accuracy is for data logger only when measuring within the specified operating temperature. Thermocouple error isn't included and should be considered.

<sup>5</sup> Operating temperature applies to the data logger module only. Please consult the probe manufacturer for operating temperature of thermocouple.

<sup>6</sup> At temperatures below -5°C the LCD will exhibit slower response times. The LCD will be disabled at temperatures under -20°C and above +70°C.

<sup>7</sup> At +25°C and 10 minute logging rate, with no alarm LEDs or sounder and minimal LCD use.

