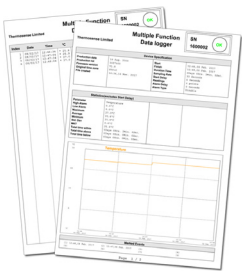


HDT-160/161/162 PDF Temperature/Humidity Data Logger (Multiple-Use)

Easily monitor the temperature and humidity of your process with these multiple-use data loggers. No additional software or drivers are required as everything is embedded within the logger. Simply plug the logger into a computer USB port, run the configuration software and set required parameters such as language, sample rate, alarm and password. Remove the logger, press the start key and place in the area to be monitored. Once complete press the stop key, plug back into your computer, run the software again and convert the recorded data into a PDF report or Microsoft® Excel spreadsheet. An instruction manual and manufacturer's calibration certificate are also stored in PDF format on the logger. Available in three different models for temperature and humidity measurement.

- Multiple-use, easy to use (large LCD), compact, light design
- USB 2.0 interface, plug and play (no software or drivers required)
- Battery powered (supplied)
- Large memory capacity: 48,000 readings
- High accuracy temperature NTC thermistor and RH capacitive sensor
- "Mark" key to allow up to 8 markings during data gathering
- Embedded manual (6 languages) and calibration certificate
- Fully programmable: 6 languages, sample rate, start delay, temp. unit, alarm type, alarm delay, alarm temp. limits, password, company name
- Detailed reports in PDF and Microsoft® Excel format
- 4 status LEDs: REC, Low Battery symbol, High (H), Low (L)
- EN12830 and RoHS compliance
- IP67 (HDT-160), IP65 (HDT-161, HDT-162) protection class
- Optional external probes for HDT-161 model (sold separately)



External temp. probe (without handle)
20mm x 3.75mm Ø probe, 2m cable
(sold separately - for use with HDT-161)

External temp. probe (with handle)
100mm x 3.75mm Ø probe, 1.15m cable
(sold separately - for use with HDT-161)

External temperature probes are connected via the logger cap using the 3.5mm jack (HDT-161 model only)

Technical Details		HDT-160 Temperature (internal)	HDT-161 Temperature (internal/external)	HDT-162 Temperature (internal/humidity)
Internal Temp.	Temperature Sensor	NTC Thermistor	NTC Thermistor	NTC Thermistor
	Temperature Range	-30 to +70°C (-22° to +158°F)	-30 to +70°C (-22 to +158°F)	-30 to +70°C (-22 to +158°F)
	Temperature Accuracy	±0.5°C	±0.5°C	±0.5°C
	Temperature Resolution	0.1°C (0.1°F)	0.1°C (0.1°F)	0.1°C (0.1°F)
External Temp.	Temperature Sensor	-	NTC Thermistor	-
	Temperature Range	-	-30 to +70°C (-22 to +158°F)	-
	Temperature Accuracy	-	±0.5°C	-
	Temperature Resolution	-	0.1°C (0.1°F)	-
Relative Humidity	Humidity Sensor	-	-	Capacitive
	Humidity Range	-	-	0.1 ~ 99.9% RH
	Humidity Accuracy	-	-	±3% (at 25°C, 0-90%), other ±5%
	Humidity Resolution	-	-	0.1% RH
Unit of Measurement		°C, °F	°C, °F	°C, °F, %RH
Protection Class		IP67 (NEMA 6)	IP65 (NEMA 4)	IP65 (NEMA 4) excluding sensor
Sampling Points (readings)		48,000 (temperature, internal)	24,000 (temperature, internal) 24,000 (temperature, external)	24,000 (temperature, internal) 24,000 (relative humidity)
Sampling Interval		30 seconds, 5, 10, 30, 60, 90, 120 minutes		
Start Delay		0, 5, 30, 45, 60, 90, 120 minutes, 24 hours		
Interface/Compatibility		USB 2.0, Microsoft® Windows XP / 7 / 8 / 10		
Display		LCD (29mm x 19mm approx.)		
Operation Keys		3 keys: Start/Stop, Mark and Max/Min		
LED Indicators		REC, Low Battery Symbol, High Alarm, Low Alarm		
Alarm Range		-30°C to +70°C (-22°F to +158°F) temperature, 1~99% RH (relative humidity)		
Alarm Type (Delay)		Single event, cumulative, disable (0, 5, 30, 45, 60, 90, 120 minutes)		
Operating Temperature		-30°C to +70°C (-22°F to +158°F) whilst logging, room temperature whilst in computer		
Operating RH%		Humidity < 80%		
Storage Temperature/RH%		-40°C to +85°C (-40°F to +185°F) / Humidity < 90%		
Compliance		EN12830, RoHS		
Power		2 x 3V CR2032 batteries (supplied, replaceable), 3 months life approx.		
Dimensions (logger)		110mm (L) x 40mm (W) x 19mm (D)		
Weight (logger)		~52g (with batteries installed), ~46g (without batteries)		

order code	Temperature (internal)	Temperature (internal / external)	Temperature (internal / humidity)	External temperature probe without handle (for HDT-161)	External temperature probe with handle (for HDT-161)
HDT-160	HDT-160	HDT-161	HDT-162	HDT-161-TP1	HDT-161-TP2

Please visit our website for latest software compatibility information