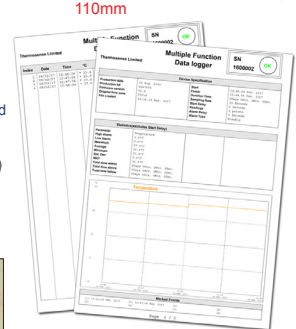


HDT-160/161/162 Multiple-Use PDF Temperature/Humidity Data Logger

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
- Compatible with Microsoft® Windows XP / 7 / 8 / 10
- Optional external probes for HDT-161 model (sold separately)



Automatic PDF & Excel reports



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	HDT-161	HDT-162
		Temperature (internal)	Temperature (internal & external)	Temperature (internal) & Humidity
Internal Temperature	Temperature Sensor	NTC Thermistor	NTC Thermistor	NTC Thermistor
	Temperature Range	-30°C to +70°C (-22°F to +158°F)	-30°C to +70°C (-22°F to +158°F)	-30°C to +70°C (-22°F 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 Temperature	Temperature Sensor	-	NTC Thermistor	-
	Temperature Range	-	-30°C to +70°C (-22°F 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, 10-90%), 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 (programmable)	-30°C to +70°C (-22°F to +158°F) temperature, 1~99% RH (relative humidity)			
Alarm Delay	0, 5, 30, 45, 60, 90, 120 minutes			
Alarm Type	Single event, cumulative, disable			
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	-40°C to +85°C (-40°F to +185°F)			
Storage RH%	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	HDT-160	HDT-161	HDT-162	HDT-161-TP1	HDT-161-TP2
	Temperature (internal)	Temperature (internal / external)	Temperature (internal) and Humidity	External temperature probe without handle (for HDT-161)	External temperature probe with handle (for HDT-161)