

## Four-Channel Temperature and Relative Humidity Data Logger

This data logger has a built-in temperature sensor, a plug-in relative humidity sensor, provided with the unit and is equipped with two extra channels to connect either external temperature/RH probe or thermistor probes. The RH plug-in sensor is field replaceable so you can always be assured of continuous recording.

### APPLICATIONS

Food process verification, pharmaceutical storage, transportation of temperature-sensitive goods, equipment run time, HVAC system testing and balancing, etc.

### GENERAL SPECIFICATIONS

Size:	107mm x 74mm x 22mm
Weight:	110 gm
Case Material:	Noryl® Plastic
Battery:	3.6 volt Lithium, 1 Amp-Hour
Resolution:	8-bit (1 part in 256)
Mounting:	Magnetic backing or locking eyelet
Clock Accuracy:	± 2 seconds per day
Sampling Methods:	Continuous (First-in First-out), Stop When Full (Fill-then-stop)
Operating Limits:	-40°C to 70°C and 0 to 95% RH (non-condensing)
PC Requirements:	Windows PC with at least one free USB or serial port (depending on interface)
Software Requirements:	Compatible with Windows XP SP3, Windows Vista SP2 & Windows 7 (32 bit & 64 bit)
Memory Size:	32 KB (capable of storing up to 32,767 readings)
Sampling Rates:	User selectable rates from 8 seconds to 5 days in 4-second increments
Number of Channels:	Four (one for the internal temperature sensor and one for the internal RH sensor. The remaining two channels are reserved for an optional remote external Temperature and RH probe)



### SENSOR SPECIFICATIONS

#### Internal Temperature Sensor

Type:	NTC Thermistor - 10,000 Ohm @ 25°C
Range:	-40°C to 70°C
Accuracy:	±0.2°C over the range of 0°C to 70°C
Resolution:	0.4°C @ 25°C; better than 1°C between -25°C and 70°C; Better than 2.0°C between -40°C and -25°C

#### Internal Relative Humidity Sensor

Type:	Capactive thin polymer film
Range:	0 to 95% RH (non-condensing)
Accuracy:	±4% RH from 10 to 90% RH (-20 to 40°C)
Resolution:	Better than 0.4% RH between 25 and 60% RH @ 25°C

