

SmartReader SRX2



SRX2 is a self-powered, multi-channel data logger that can monitor and record temperature and relative humidity on-board and remotely, plus a variety of popular Process Signals at a rate of 20 samples per second to 24 hours per sample. Includes TrendReader TRX Software and Mini USB interface cable.

Typical applications include



Building power monitoring



Building comfort monitoring



HVAC systems testing & balancing



Plug load equipment monitoring



Pharmaceutical manufacturing & storage



Lighting systems monitoring



Storage conditions of perishable items

Key Features

- Capable of storing up to 1 million readings
- LED flashing alarm lights
- Two-stage alarming (Warning & Critical)
- 16-bit resolution provides greater precision
- Can be calibrated to NIST standards to achieve the highest possible measurement accuracy
- Portable equations onboard the data logger ensure faster downloads and collaboration with less user intervention
- One-button report generation
- Wizards for Equations and programming for ease of use

Specifications

Alarm Connector	Critical and Warning connections Maximum 15V Maximum 350mA
Battery	3.6V Lithium Typical battery life: 10 years under normal operating conditions @ 25°C
Channel 0 - Internal Temp	Resolution: 0.01°C Range: -40°C - 85°C Accuracy: $\pm 0.3^{\circ}\text{C}$
Channels 1 & 2 – DC Current	Input Impedance: 10 ohms Resolution: 16-bit Range: 0 – 25mA DC Accuracy: $\pm 0.5\%$ Full Scale
Channel 3 – DC Voltage	Input Impedance: ~ 1 Megohm Resolution: 16-bit Range: 0 – 5V DC Accuracy: $\pm 0.5\%$ Full Scale
Channel 4 – DC Voltage	Input Impedance: ~ 1 Megohm Resolution: 16-bit Range: 0 – 10V DC Accuracy: $\pm 0.5\%$ Full Scale
Channel 5 – Internal Sensor RH	Resolution: 0.01 %RH Range: 0 – 100 %RH Accuracy: ± 3 %RH
Channel 6 – Reserved for external probe	Typical: EH-030 Temperature channel
Channel 7 - Reserved for external probe	Typical: EH-030 RH channel
Clock Accuracy	± 1 seconds per day
LED Status & Alarm Lights	High & Low thresholds per channel Latch / Self-reset
Memory Size	1 Million Readings
Operating Limits	-40°C to 85°C (-40°F to 185°F) 0 to 95% RH (non-condensing)
Sample Rates	1 minute to 24 hours
Size	111 mm (4 3/8") x 74mm (2 15/16") x 27 mm (1 1/16")



Specifications

Sampling Methods

Continuous (first-in-first-out) / Stop when full
Immediate start / Delayed start - up to 2 months
Spot / Averaged Readings

Status Indicator

Flash rate: 10 seconds
Green: logging
Blue: delayed start
Yellow: alarm warning
Red: critical alarm
Magenta: memory full

Warranty

3 Years

Weight

140g (5 oz)

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