

SmartReader SRX3



SRX3 is a self-powered, multi-channel data logger that can monitor and record up to 7 separate 5V inputs. The inputs can be paired with voltage and current transducers to record 3-phase AC power delivered to a load. Includes TrendReader TRX software and Mini USB interface cable.

Typical applications include



Energy audits



30-day load study



Creating energy management strategy



Energy baseline study



Determine energy consumption



Conduct start-up or long-term load analytics



Plug load equipment monitoring



Lighting systems monitoring



Compressor monitoring



LEED certification

Key Features

- Ability to connect to a wide range of sensors to deliver a customized integrated solution with outstanding functionality
- Capable of storing up to 1 million readings
- Flashing LED alarm lights
- Two-stage alarming (warning and 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 Custom Equations and logger configuration for ease of use

Specifications

Battery	3.6V Lithium 3 year warranty
Channel 0 - Internal Temp	Resolution: 0.01°C Range: -40°C - 85°C Accuracy: ±0.3°C (0C to 70C) Accuracy: ± 1°C (-40C to 85C)
Channels 1 to 7 – DC Voltage	Input Impedance: ~ 1 Megohm Resolution: 16-bit Range: 0 – 5V DC Accuracy: ± 0.5% Full Scale
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	10s to 24 hours (normal mode) 50 ms to 10 s (powered fast mode)
Sampling Methods	Continuous (first-in-first-out) / Stop when full Immediate start / Delayed start - up to 2 months Spot / Averaged Readings
Size	111 mm (4 3/8") x 74mm (2 15/16") x 27 mm (1 1/16")
Status Indicator	Flash rate: 10 seconds Green: logging Blue: delayed start Yellow: alarm warning Red: critical alarm Magenta: memory full
Weight	140g (5 oz)
Alarm Connector	Alarm Connector Critical & Warning connections Maximum 15V Maximum 350mA