

Product Specifications

PROVEN DATA LOGGING SOLUTIONS

SRP-003

Eight-Channel AC Current, Voltage and Temperature Data Logger

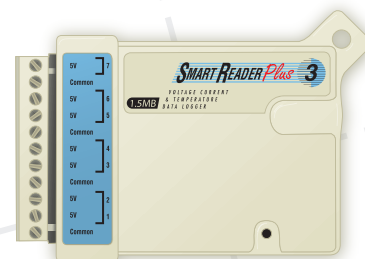
The SRP-003 easily and accurately records AC current and voltage. Simply connect the logger to the AT-CT series current probes (which are clamped around the power leads) and voltage transducer and begin recording. From this data, you can also determine energy consumption (kWh) with TrendReader® 2 Software.

APPLICATIONS

Determining energy consumption, monitoring 3-phase voltage and current, start-up or long-term load analysis, demand side management, electric motor maintenance scheduling, etc.

GENERAL SPECIFICATIONS

Size:	107mm x 74mm x 22mm (4.2" x 2.9" x 0.9")
Weight:	110 g (3.75 oz)
Case Material:	Noryl® Plastic
Battery:	3.6 volt Lithium, 1 Amp-Hour
Resolution:	12-bit (1 part in 4096)
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) <i>*Not available with sample rates faster than eight seconds</i>
Operating Limits:	-40°C to 70°C (-40°F to 158°F) 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:	TrendReader® 2 (Compatible with Windows XP, Vista, Windows 7 and Windows 8 [32 bit & 64 bit])
Memory Size:	32 KB (capable of storing up to 21,500 readings) (3 models available) 128KB (capable of storing up to 87,000 readings) 1.5MB (capable of storing up to 1,048,000 readings)
Sampling Rates:	User selectable rates from 25 per second to every eight hours (BP-101 battery pack or PS-201 power supply required for sampling rates faster than eight seconds)
Number of Channels:	Eight (one for internal temperature and seven 0-5V DC inputs for use with AT-CTxx current transducers and single phase / 3 phase voltage transducers)



SENSOR SPECIFICATIONS

Internal Temperature Sensor

Type:	NTC Thermistor - 10,000 Ohm @ 25°C (77°F)
Range:	-40°C to 70°C (-40°F to 158°F)
Accuracy:	±0.2°C over the range of 0°C to 70°C (± 0.3°F over the range of 32°F to 158°F)
Resolution:	0.03°C (0.05°F) @ 25°C; better than 0.07°C (0.12°F) between -25°C and 70°C (-13°F and 158°F); better than 0.13°C (0.23°F) between -40°C and -25°C (-40°F and -13°F)

Nominal Voltage Ranges:

5 to 10A
10 to 40A
40 to 100A
100 to 240A

Accuracy:

3.0% of reading ± 100mV
2.5% of reading ± 50mV
2.0% of reading ± 50mV
2.0% of reading



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