

SmartReader 3

Product Specifications

Type: Four-Channel AC Current & Temperature

GENERAL SMARTREADER SPECIFICATIONS

Size:	107 mm x 74 mm x 22 mm (4.2" x 2.9" x 0.9")
Weight:	110 grams (3.75 ounces)
Case Material:	Noryl® plastic
Battery:	3.6 volt Lithium, guaranteed for ten years
Resolution:	8-bit (1 part in 256)
Mounting:	Magnetic backing or lock eyelet
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	Continuous (First-in, First-out), Stop When Full (Fill-then-stop)
Operating Limits:	-40 to 70°C (-40 to 158°F) and 0 to 95% relative humidity (non-condensing)
PC Requirements:	IBM PC or 100% compatible with at least one free serial port, 2 MB of RAM memory, and 2 MB of hard disk space
Software Requirements:	TrendReader® Standard - Windows version 3.1, 95, 98, Me, NT, 2000, or XP

Memory Size:	32KB; capable of storing 32,768 readings (Catalog#: 01-0026, SR-003)
Sampling Rates:	User selectable rates from 8 seconds to 5 days in 4-second increments
Number of Channels:	Four (one internal for ambient temperature and three for AC current for use with ACR/Amprobe current probes)

Current Channel Ranges*:

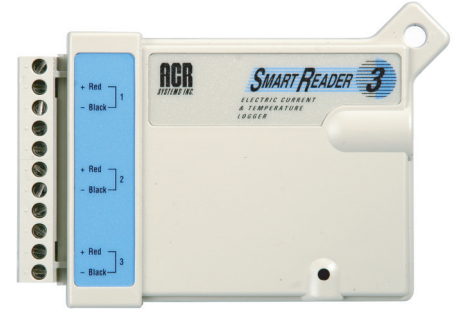
With A60FL current probes: 5, 25, 100, 250 Amps
 With A70FL current probes: 10, 50, 250, 500 Amps

Accuracy:

Current channels: +/- 3.0% of full scale above 10% of range
 Voltage channels: +/- 0.5% of full scale

* To monitor current ranges up to 3000 Amps, the CT50-2 probe (a 50 to 1 current transformer) can be used, in conjunction with the A60FL or the A70FL

The SmartReader 3 makes easy, accurate recordings of AC current. You can use this logger with up to three external current probes for recording three-phase systems or related equipment simultaneously. The easy-to-use ACR/Amprobe® CTs provide safe current readings by simply clamping around the power leads.



WARRANTY

Internal Battery:	10 Years
Data Logger:	3 Years

APPLICATIONS

Monitoring 3-phase current, startup or long term load analysis, Demand Side Management (DSM), determining tenant power consumption, monitoring mechanical systems, troubleshooting production process, electric motor maintenance scheduling, etc.

Model#:	Cat#:
SR-003	01-0026