SmartReader 3

Product Specifications

Type: *Four-Channel AC Current & Temperature*

GENERAL 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
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 to 70°C (-40 to 158°F) and 0 to 95% RH (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 2 *(compatible with Windows® 2000, and XP)*

Memory Size:	32KB *(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 internal for ambient temperature and three for AC current for use with ACR/Amprobe current probes)*

SENSOR SPECIFICATIONS

Temperature Sensor (internal)

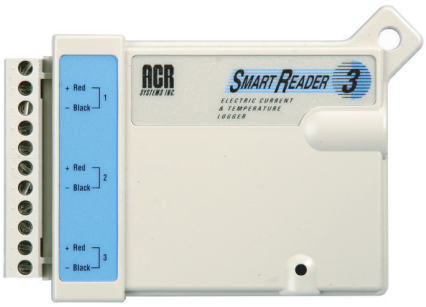
Type:	NTC Thermistor - 10,000 Ohm @ 25˚C (77˚F)
Range:	-40 to 70˚C (-40 to 158˚F)
Accuracy:	+/- 0.2ºC over the range of 0 to 70ºC (+/- 0.3ºF over the range of 32 to 158ºF)
Resolution:	0.4ºC (0.7ºF) @ 25ºC; better than 1ºC (1.8ºF) between -25 and 70˚C (-13º and 158ºF); better than 2.0ºC (3.6˚F) between -40 and -25˚C (-40ºF and -13ºF)

Current Sensors	**Range**	**Cat#**
A60FL (60 Hz)	5, 25, 100, 250 Amps	35-0004
A65FL (50 Hz)	5, 25, 100, 250 Amps	35-0006
A70FL (60 Hz)	10, 50, 250, 500 Amps	35-0005
A75FL (50 Hz)	10, 50, 250, 500 Amps	35-0007
Current Transformer		
CT-50-2	Up to 3000 Amps	38-0000

Logger Accuracy

+/- 4% of full scale above 10% of range

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, start-up or long term load analysis, Demand Side Management (DSM), monitoring mechanical systems, electric motor maintenance scheduling, etc.

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