SmartReader Plus 9

Product Specifications

Type: *Two-Channel Pulse*

GENERAL SMARTREADER PLUS 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:	12-bit (1 part in 4096)
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)
	*Not available with sample rates faster than eight seconds
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 - Windows version 3.1, 95, 98, Me, NT, 2000, or XP

Memory Size:	32KB; capable of storing 21,500 12-bit readings
(2 models available)	(Catalog #:01-0016 SRP-009-32K)
	128KB; capable of storing 87,000 12-bit readings
	(Catalog #:01-0130 SRP-009-32K)
Sampling Rates:	User selectable rates from 25 per second to once every eight hours (BP-101 battery pack or PS-201 power supply required for sampling rates faster than eight seconds)
Number of Channels:	Two (two external inputs for externally-generated pulse signals and dry switch contact closures)

Pulse Inputs:	4095 pulses/sample period
Range:	+/- 1 pulse/sample period
Accuracy:	+24/-22 volts DC
Absolute Max.Voltage:	>1.0M for Vin<5V
Input Impedance:	>4.0K for Vin>5VMin.
Pulse Width:	5 microseconds
Maximum Frequency:	100KHz
Switch Inputs:	
Input-type:	Uncommitted "dry" contacts (relay or switch)
Excitation:	5 microamps contact current 3.6 volts open circuit
Voltage Input:	
Input-type:	Active logic signals
Input Voltage:	0 to 0.5 volts DC low
	4.5 to 24 volts DC high

The SmartReader Plus 9 is a versatile data logger designed for easy counting and recording of switch contact closures and voltage pulses. It has two pulse/contact channels.

WARRANTY
Internal Battery:	**10 Years**
Data Logger:	**3 Years**

APPLICATIONS
Monitoring fluid and air flow, energy use, wind speed, shaft RPM and rainfall, etc.

Model#:	Cat#:
SRP-009	01-0016
SRP-009-	01-0130