

SmartReader Plus 9

Product Specifications

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® plasticBattery:3.6 volt LithiumResolution: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)

*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) IBM PC or 100% compatible with at least one free serial port,

2 MB of RAM memory, and 2 MB of hard disk space

TrendReader® Standard 2 (compatible with Windows® 2000, and XP)

Memory Size: 32KB (capable of storing up to 21,500 readings) (2 models available) 128KB (capable of storing up to 87,000 readings)

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)

SENSOR SPECIFICATIONS

Pulse Inputs

Range: 4095 pulses/sample period +/- 1 pulse/sample period

Absolute Max.Voltage: +24/-22 volts DC Input Impedance: > 1.0 M for Vin < 5V

> 4.0 K for Vin > 5V

Min. Pulse Width

50% Duty Cycle: Slow input: 2 milliseconds

Fast input: 10 microseconds

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: Low: 0 to 0.5 volts DC

High: 4.5 to 24 volts DC

Maximum Frequency 100 KHz

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.



Type: Two-Channel Pulse

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#:

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