

Process Data Loggers

Features (Data Logger):

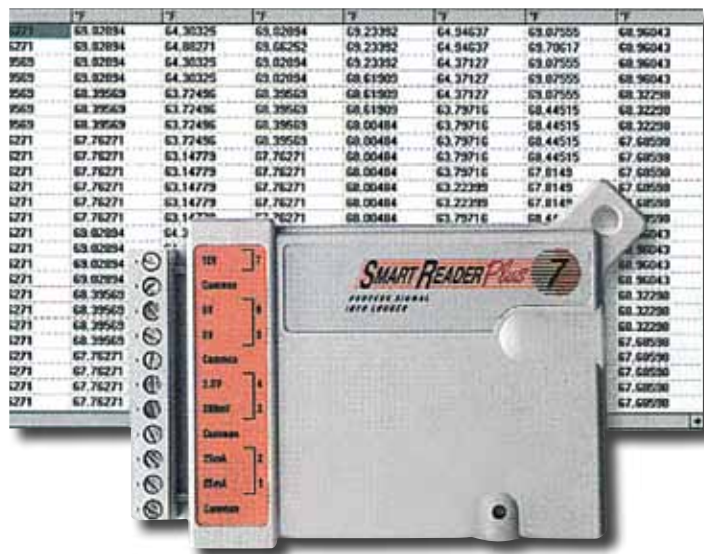
SRP1 Temperature	Two channels (one for internal temp. sensor and one for remote temp. sensing or switch status or resistance)
SRP2 Relative Humidity	Four channels (one for internal temp. sensor, one for RH sensor, and two remaining for optional remote sensing of temp, RH or resistance)
SRP3 3 Phase Current	Four channels (one for ambient temp, & 3 external for use with Amprobe clamp-on current probes)
SRP4 Pressure	Four channels (one for ambient temp, one for pressure and two for the optional RH/temp. probe)
SRP5 3 Channel Thermocouple	Three channels (one for internal thermistor for cold-junction compensation and two thermocouple inputs for types J, K, S or T)
SRP6 7 Channel Thermocouple	Eight channels (one for internal thermistor for cold-junction compensation and seven thermocouple inputs for types J, K, S or T)
SRP7 Process Signal	Eight channels (one for internal thermistor and seven analog inputs)
SRP8 8 Channel Temperature	Eight channels (one for internal temperature sensor and seven for measurement of temperature, resistance or switch status)
SRP9 Pulse	Two channels (two separate inputs for externally generated pulse signals & dry switch contact closures)

Features (Software):

- Presentation quality graphs
- One-Touch table view
- Fast and easy logger setup
- Exports data to spreadsheets

Specifications:

Range:	-40 to 70°C (-40 to 158°F)
Resolution:	0.03°C (0.05°F) at 25°C (77°F); Better than 0.07°C (0.12°F) between -25°C (-13°F) and 70°C (158°F); Better than 0.13°C (0.23°F) between -40°C (-40°F) and -25°C (-13°F)
Tolerance (sensor only):	±0.2°C, over the range of 0 to 70°C (±0.3°F, over the range of 32 to 158°F)
Internal Temp. Sensor Type:	(common on all models, except model 9) Negative Temperature Coefficient Thermistor 10,000Ω @ 25°C(77°F)
Clock Accuracy:	±2 seconds per day plus one sampling interval
Memory Size:	32KB-21,500 readings; 128KB-87,000 readings
Sampling Methods:	1. Continuous (First-in, First-out) Not available for sample rates faster than 8 seconds; 2. Stop when full (Fill-then-stop)
Sampling Rates:	User selectable rates from 25 per second to every 8 hours (BP-100 battery pack required for sample rates less than 8 seconds)
Resolution:	12 Bit (1 part in 4096)
Battery:	3.6V Lithium, 1 A-Hr
Power Consumption:	5 to 10 mA (continuous)
Battery Life:	Ten years (Factory replaceable)
PC Hardware Requirements:	IBM PC or 100% compatible with at least one free serial port
Software Requirements:	TrendReader® for Windows-Windows version 3.1, 95 or NT already running with at least 2MB of RAM memory and 2MB of hard disk space
External Connector:	Removable screw-type terminal strip with Common (-) connection
Operating Limits:	-45 to 70°C (-50 to 180°F) and 0 to 95% RH (non-condensing)
Case Material:	Noryl® Plastic
Dimensions:	107 x 74 x 22 mm (4.2 x 2.9 x 0.9")
Weight:	110 g (3.75 oz)



Model	Description	Price
01-0008	Temperature Logger (32KB)	\$565
01-0112	Temperature Logger (128KB)	\$715
01-0113	Temp. & Relative Humidity Logger (128KB)	\$1045
01-0010	Electrical Current & Temp. Logger (32KB)	\$910
01-0114	Electrical Current & Temp. Logger (128KB)	\$1060
01-0091	0-5 psig Pressure, Temp. & RH Logger (32KB)	\$1080
01-0115	0-5 psig Pressure, Temp. & RH Logger (128KB)	\$1230
01-0093	0-30 psig Pressure, Temp. & RH Logger (32KB)	\$1080
01-0117	0-30 psig Pressure, Temp. & RH Logger (128KB)	\$1230
01-0095	0-100 psig Pressure, Temp. & RH Logger (32KB)	\$1080
01-0119	0-100 psig Pressure, Temp. & RH Logger (128KB)	\$1230
01-0092	0-30 psia Pressure, Temp. & RH Logger (32KB)	\$1080
01-0116	0-30 psia Pressure, Temp. & RH Logger (128KB)	\$1230
01-0094	0-100 psia Pressure, Temp. & RH Logger (32KB)	\$1080
01-0118	0-100 psia Pressure, Temp. & RH Logger (128KB)	\$1230
01-0012	Thermocouple Logger (32KB)	\$600
01-0121	Thermocouple Logger (128KB)	\$780
01-0013	Multi-Channel Thermocouple Logger (32KB)	\$1175
01-0122	Multi-Channel Thermocouple Logger (128KB)	\$1275
01-0014	Process Signal Logger (32KB)	\$1175
01-0123	Process Signal Logger (128KB)	\$1275
01-0015	8-Channel Temperature Logger (32KB)	\$1070
01-0129	8-Channel Temperature Logger (128KB)	\$1225
01-0016	Pulse Logger (32KB)	\$900
01-0130	Pulse Logger (128KB)	\$1050
Software, Probes and Accessories		
01-0225	Trendreader standard 2 software and serial cable	\$230
01-0226	Trendreader standard 2 software and USB cable	\$240
01-0040	General purpose probe, temperature & RH	\$239
35-0001	General purpose temperature probe	\$87
35-0000	Low temperature penetration probe	\$168
35-0002	High temperature probe	\$87
35-0003	Oven temperature probe	\$87
A70FL	Current probe, 10, 50, 250 and 500 Amps	\$169