Multi-channel, Configurable, 8 Bit Data Loggers

1. Temperature
2. Relative Humidity
3. 3 Phase Current
4. Pressure
5. 3 Channel Thermocouple
6. 7 Channel Thermocouple
7. Process Signal
8. 8 Channel Temperature
9. Pulse

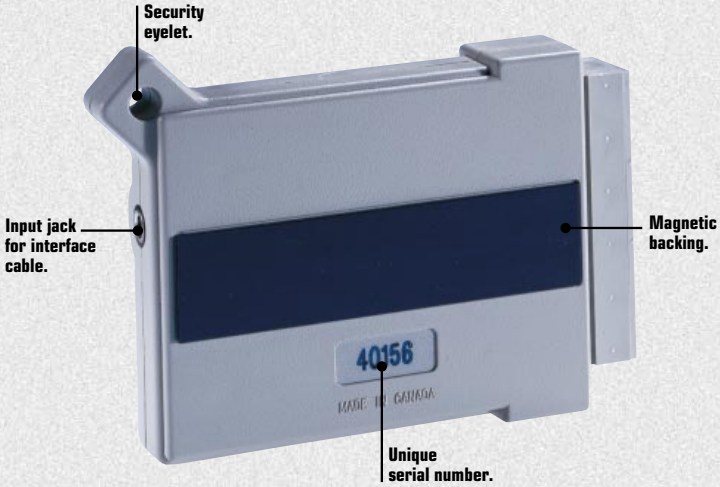
Features

- Multiple channels
- Accessible remotely by modem
- Multiple loggers can be linked to form a network
- 32 K memory
- 10-year battery life

Front



Back



Product Specifications

SmartReader Data Loggers share many common features. For further specifications on individual models, refer to the catagorized data sheets starting on page 14.

General:	
Size:	107 x 74 x 22 mm (4.2 x 2.9 x 0.9").
Weight:	110 grams (3.75 ounces).
Case Material:	Noryl® Plastic.
Operating Limits:	-40°C to 70°C (-40°F to 158°F) and 0 to 95% Relative Humidity (non-condensing).
Clock Accuracy:	+/-2 seconds per day.
Battery:	3.6 volt Lithium, 1 Amp-Hour.
Power Consumption:	5 to 10 microamps (continuous).
Battery Life:	10-years warrantied (under normal use). Factory replaceable.
External Connector:	Removable screw-type terminal strip with Common (-) connection.
Mounting:	Magnetic backing or locking eyelet.
Memory Size:	32 K (32,768 readings).
Sampling Methods:	1. Continuous (First-in, First-out). 2. Stop when full (Fill-then-stop).
Sampling Rates:	User selectable rates between 8 seconds to once every 5 days.
Resolution:	8 bits (1 part in 256).
PC Requirements:	IBM PC or 100% compatible running MS Windows 3.1, '95, '98, or NT, with a least 2 MB RAM, 2 MB of hard drive disk space and one free serial port.
Product Approvals:	Meets Part 15 for Digital Devices of the Code of Federal Regulations of the Federal Communications Commission (FCC). Meets Class A radiated and conducted emission requirements of Section 2 of the Radio Interference Regulations of Communications Canada. IEC801-2, 3, 4 and EN55011 covering ESD, RFI Immunity, EFT/Burst and Radiated Emissions respectively for the Commission of the European Communities (CE).
Resistance to X-Rays:	Tested for protection against a 160kV dose @ 5mA for 30 seconds (150mA-sec) @ 38 inches F.F.D. (about 100 times that of an airport X-Ray machine). Tested for protection against Gamma Ray (equivalent to 0.137 - 1.38 mega volts) IR 192 - 28 curies @ 30 second exposure source to object distance 5".
Internal Temperature Sensor (common on all models).	
Type:	Negative Temperature Coefficient Thermistor. 10,000 ohms @ 25°C (77°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).
Range:	-40 to 70°C (-40 to 158°F).
Resolution:	0.4°C (0.7°F) @ 25°C. Better than 1°C (1.8°F) between -25°C (-13°F) and 70°C (158°F). Better than 2.0°C (3.6°F) between -40°C (-40°F) and -25°C (-13°F).