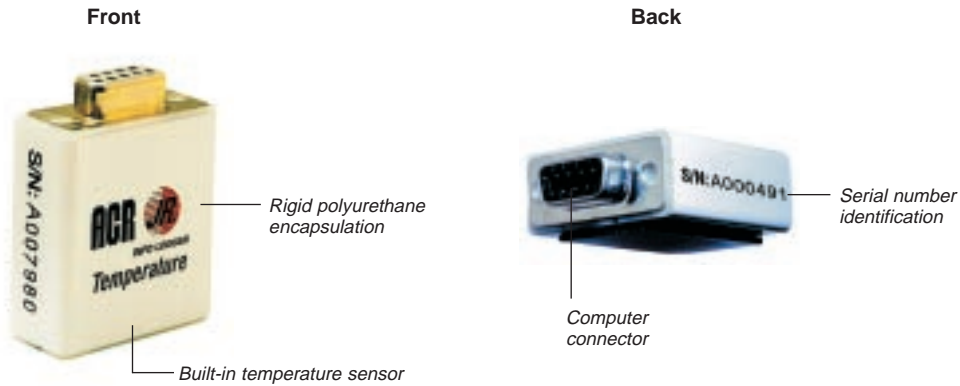




# JR. Data Logger

## Temperature Measurement Solution – Thermistor Single Channel Temperature Data Logger



The ACR JR. data logger is the easiest to use electronic data logger available. With its precision calibrated internal temperature sensor, all you have to do is place the logger in the field and leave it. Once you have gathered the desired information, simply plug the logger into a PC's serial port and view the logged information. That's it!

### FEATURES

- Single-channel temperature
- 5-year battery life
- Up to 44 days readings
- Samples every two minutes
- Realtime graph display
- No setup required
- Just plug it into the com port to view data

### PRODUCT SPECIFICATIONS

#### GENERAL

**Type:**

Negative Temperature Coefficient Thermistor (NTC).  
10,000 ohms @ 25°C (77°F).

**Range:**

-40 to 85°C. (-40 to 185°F).

**Memory Size:**

8 K (with compression up to 32 K). Typical 22 days  
(depending on the rate of temperature change).  
Maximum 44 days.

**Resolution:**

8 bit (1 part in 255). 0.4°C @ 25°C. (0.7°F @ 77°F).

**Sampling Method:**

First-in First-out.

**Sampling Rate:**

1 reading every 2 minutes.

**Size:**

33 x 43 x 15 mm (1.3" x 1.7" x 0.6").

**Weight:**

1 ounce (29 grams).

**Case Material:**

Polyurethane.

**Mounting:**

Magnetic backing.

**Operating Limits:**

-40 to 85°C (-40 to 185°F). 0 to 95% RH  
(non-condensing).

**Sensor Accuracy:**

+/-0.2°C (+/-0.3°F).

**Clock Accuracy:**

+/-2 seconds per day.

**Battery:**

3 volt Lithium; 0.5 Amp-Hour.

**Battery Life:**

Five years warranty (under normal use).

**Software Specifications**

See page 37.

**Accessories:**

None.

**PC Requirements:**

IBM PC or 100% compatible running MS Windows 3.1,  
'95, '98, 2000, ME or NT, with at 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 con-  
ducted 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 respec-  
tively 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".

#### Order Information

MODEL	MEMORY	CATALOG #
ACR-JR	8 K (up to 44 days)	01-0056