OWL 200

Product Specifications

Type: *Single-Channel Temperature Thermistor - External*

GENERAL SPECIFICATIONS

Size:	60 mm x 48 mm x 19 mm (2.4" x 1.9" x 0.7")
Weight:	54 grams (1.9 ounces)
Case Material:	Noryl® plastic
Operating Limits:	-40 to 70°C (-40 to 158°F) and 0 to 95% RH (non-condensing)
Battery:	3.6 volt Lithium
Resolution:	8-bit (1 part in 256)
Mounting:	Magnetic backing or lock eyelet
Clock Accuracy:	+/- 2 seconds per day
Sampling Methods:	Continuous (First-in, First-out)*, Stop When Full **First-in, First-out not available with sample rates faster than 8 seconds*
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® 2 *(compatible with Windows® 2000, and XP)*
Communication:	Optical data transfer; data can be transmitted through glass, water, or any transparent medium up to 25 mm (1") away

Memory Size:	32 KB *(capable of storing up to 32,767 readings)*
Sampling Rates:	User selectable from 5 per second to once every 12 hours
Number of Channels:	One *(one external channel for thermistor temperature probes)*

SENSOR SPECIFICATIONS

ACR OWL ET Series Thermistor Probes*	**Range**	**Cat#**
General Purpose Temperature Probe	-35 to 95˚C (-30 to 200˚F)	01-0004
Low Temperature Probe	-60 to 55˚C (-75 to 130˚F)	01-0111
Low Temperature Penetration Probe	-60 to 55˚C (-75 to 130˚F)	01-0005
High Temperature Probe	10 to 170˚C (50 to 335˚F)	01-0006
Oven Temperature Probe	70 to 255˚C (155 to 490˚F)	01-0007
Skin Surface Temperature Probe	20 to 40˚C (68 to 104˚F)	01-0109
Pipe Surface Temperature Probe	-35 to 95˚C (-30 to 200˚F)	01-0110
Waterproof Temperature Probe	-40 to 105˚C (-40 to 221˚F)	01-0038

Logger Accuracy
+/- 1% of range

**OWL 200 works with any NTC thermistor probe*

The OWL 200 data logger can record temperature or switch status in environments that typical data loggers cannot withstand. Since the OWL's temperature sensor is external, it can work in excessive heat while the logger remains in a cooler environment. Because of its small size, the OWL can also fit into tight spaces.



WARRANTY

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

APPLICATIONS

Food process verification, pharmaceutical storage, laboratories, transportation of temperature-sensitive goods, equipment run time, HVAC system testing and balancing, etc.

Model#:	**Cat#:**
OWL-200 PLASTIC	01-0251