OWL 200

Single-Channel Temperature Data Logger

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.

APPLICATIONS

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

GENERAL SPECIFICATIONS

Size:	60mm x 48mm x 19mm (2.4" x 1.9" x 0.7")
Weight (Plastic Version):	54 g (1.9 oz)
Case Material (Plastic Version):	Noryl® Plastic
Battery:	3.6 volt Lithium
Resolution:	8-bit (1 part in 256)
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°C to 70°C (-40°F to 158°F)
Submergence Rating:	IP67 - 1M (3.28") in fresh water for 30 minutes (OWL-100 Poly)
PC Requirements:	Windows PC with at least one free USB or serial port (depending on interface)
Software Requirements:	TrendReader® 2 (Compatible with Windows XP, Vista, Windows 7 and Windows 8 [32 bit & 64 bit])
Communication:	Optical data transfer; data can be transmitted through glass, water or any transparent medium up to 25mm (1") away.
Memory Size:	32 KB (capable of storing up to 32,767 readings)
Sampling Rates:	User selectable rates from 5 seconds to once every 12 hours
Number of Channels:	One (one external channel for thermistor temperature probes)

SENSOR SPECIFICATIONS

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

Logger Accuracy: ±1% of range

*OWL 200 works with any NTC thermistor probe

ORDERING INFORMATION

Item:	Cat#:
OWL-200 PLASTIC	01-0251

ACR Systems Inc
Toll-Free: 1.800.663.7845
Tel: 1.604.591.1128
sales@acrsystems.com

www.acrsystems.com
ISO 9001 Certified
ISO9000\SPECIFICATIONS\OWL200.pdf

Rev:9 - 10/24/12

ACR 24/7/365 **10yr** Battery

CE