

OWL 500

Product Specifications

Type: Single-Channel Process
Signal - DC Current

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 <i>*First-in, First-out not available with sample rates faster than 8 seconds</i>
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® Standard (compatible with Windows® 3.1, 95, 98, Me, NT, 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 external DC current channel
Input Range:	0 to 24 mA DC maximum
Input Impedance:	100 Ohm
Accuracy:	+/- 1% of full scale

The OWL 500 data logger is a rugged and versatile data logger that records the popular 4-20mA process signal with ease and convenience. This logger is ideal for monitoring (through commercially available transducers) a wide variety of measurement parameters. All DC current process signals can be converted into custom engineering units using the simple equation editor of ACR's TrendReader® Standard software.



Warranty

Internal Battery:	10 Years
Data Logger:	3 Years

Applications

Monitoring pressure, wind speed, battery voltage, flow, tank levels, etc.

Model#:	Cat#:
OWL-500 PLASTIC	01-0254