

# OWL 500

## Product Specifications

**Type:** Single-Channel Process  
Signal - DC Current

### GENERAL SPECIFICATIONS

<b>Size:</b>	60 mm x 48 mm x 19 mm (2.4" x 1.9" x 0.7")
<b>Weight:</b>	54 grams (1.9 ounces)
<b>Case Material:</b>	Noryl® plastic
<b>Operating Limits:</b>	-40 to 70°C (-40 to 158°F) and 0 to 95% RH (non-condensing)
<b>Battery:</b>	3.6 volt Lithium
<b>Resolution:</b>	8-bit (1 part in 256)
<b>Mounting:</b>	Magnetic backing or lock eyelet
<b>Clock Accuracy:</b>	+/- 2 seconds per day
<b>Sampling Methods:</b>	Continuous (First-in, First-out)*, Stop When Full <i>*First-in, First-out not available with sample rates faster than 8 seconds</i>
<b>PC Requirements:</b>	IBM PC or 100% compatible with at least one free serial port, 2 MB of RAM memory, and 2 MB of hard disk space
<b>Software Requirements:</b>	TrendReader® Standard 2 (compatible with Windows® 2000, and XP)
<b>Communication:</b>	Optical data transfer; data can be transmitted through glass, water, or any transparent medium up to 25 mm (1") away

<b>Memory Size:</b>	32 KB (capable of storing up to 32,767 readings)
<b>Sampling Rates:</b>	User selectable from 5 per second to once every 12 hours
<b>Number of Channels:</b>	One external DC current channel

<b>Input Range:</b>	0 to 24 mA DC maximum
<b>Input Impedance:</b>	100 Ohm
<b>Accuracy:</b>	+/- 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.

<b>Model#:</b>	<b>Cat#:</b>
OWL-500 PLASTIC	01-0254