

OWL 500

Single-Channel Process Signal - (4-20mA) Data Logger

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 commerically 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 in ACR's TrendReader® 2 Software.

APPLICATIONS

Monitoring pressure, wind speed, battery voltage, flow, tank levels, 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) and 0 to 95% RH (non-condensing)
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 per second to once every 12 hours

Number of Channels: One external 0 to 24 mA DC channel

Input Range: 0 to 24 mA DC maximum

Input Impedance: 100 Ohm

Logger Accuracy: ± 1% of full scale

ORDERING INFORMATION

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





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