



OWL 300

Single-Channel AC Current Data Logger

The OWL 300 data logger records current in environments that typical recorders cannot withstand. Due to its small size, the OWL 300 can go directly into an electrical panel or even inside small electrical equipment allowing the user to record electric current in a safe, discreet, and convenient manner.

APPLICATIONS

Water pumps; troubleshooting processes; laboratories; test agencies; determining tenant power consumption; startup or long-term load analysis; electric motor maintenance scheduling, 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) <i>*Not available with sample rates faster than eight seconds</i>
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 2000 SP4, XP SP1 and Vista 32 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 current channel to be used with A60FL, A65FL, A70FL, or A75FL current probes



SENSOR SPECIFICATIONS

Current Probes

	Range	Cat#
OWL-A60FL (60 Hz)	5, 25, 100, 250 Amps	01-0000
OWL-A65FL (50 Hz)	5, 25, 100, 250 Amps	01-0002
OWL-A70FL (60 Hz)	10, 50, 250, 500 Amps	01-0001
OWL-A75FL (50 Hz)	10, 50, 250, 500 Amps	01-0003

Logger Accuracy: ±4% of full scale above 10% of range