# OWL 300

## *Product Specifications*

***Type:*** *Single-Channel Electrical - AC Current*

### GENERAL SPECIFICATIONS

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|---|---|
| **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<br>**First-in, First-out not available with sample rates faster than 8 seconds* |
| **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® 2 *(compatible with Windows® 2000, and XP)* |
| **Communication:** | Optical data transfer; data can be transmitted through glass, water, or any transparent medium up to 25 mm (1") away |

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| **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 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 |
| **Current Transformer*** | | |
| CT-50-2 | Up to 3000 Amps | 38-0000 |

**Logger Accuracy:**
+/- 4% of full scale above 10% of range

**Requires an IP-67 connector*

**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.**




**Warranty**

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| **Internal Battery:** | **10 Years** |
| **Data Logger:** | **3 Years** |

**Applications**

**Water pumps; trouble shooting process; Laboratories; test agencies; determining tenant power consumption; startup or long-term load analysis; electric motor maintenance scheduling, etc.**

| **Model#:** | **Cat#:** |
|---|---|
| OWL-300 PLASTIC | 01-0252 |