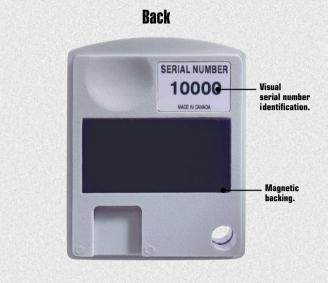
ACR OWL Common Specifications

Single Channel, Configurable Data Loggers



- Memory capacity of 32,767 readings
 Optical data
- transfer Flashing visual
- alarm





Product Specifications

OWL Data Loggers share many common features. For further specifications on individual models, refer to the catagorized data sheets starting on page 14.

General:		Alarm Type:	Optical (Red LED).
Size:	60 mm x 48 mm x 19 mm	External Connector:	Removable snap type connector.
Weight: Case Materials:	(2.4" x 1.9" x 0.7"). Watertight model (OWL 100) — 80 g (2.8 oz.). Non-watertight model — 54 g (1.9 oz.). Watertight model (OWL 100 only)—Polyurethane.	PC Requirements:	IBM PC or 100% compatible running MS Windows 3.1, '95, '98, or NT, with a least 2 MB RAM, 2 MB of hard drive disk space and one free serial port.
Operating Limits:	Non-watertight model — Noryl® Plastic. -40 to 70°C (-40 to 158°F); 0 to 95% RH (non-condensing) on non-watertight models.	Product Approvals:	Meets Part 15 for Digital Devices of the Code of Federal Regulations of the Federal Communications Commission (FCC). Meets Class A radiated and conducted emission requirements of Section 2 of the Radio Interference Regulations of Communications Canada. IEC801-2, 3, 4 and EN55011 covering ESD, RFI Immunity, EFT/Burst and Radiated Emissions respectively for the Commission of the European Communities (CE).
Clock Accuracy:	+/-2 seconds per day.	Resistance to X-Rays:	
Battery:	3.6 volt Lithium, 10-years warrantied (under normal use). Factory replaceable.		
Memory Size: Sampling Methods:	32 K (32,767 readings). First-in, First-out, (First-in, First-out not available with sample rates faster than 8 seconds). Fill-then-stop, Delayed start,		
	Trigger start.		Tested for protection against a 160V dose @ 5mA for 30 seconds (150mA-sec) @ 38 inches F.F.D. (about 100 times of an airport X-Ray machine). Tested for protection against Gamma Ray (equivalent to 0.137-1.38 mega volts) IR 192 - 28 curies @ 30 second exposure source to object distance 5".
Sampling Rates:	User selectable rates from 5 per second to once every 12 hours.		
Resolution:	8 bit (1 part in 256). Can be optimized to the equivalent of 10 bit resolution.		
Communication:	Optical Send/Receive from up to 1" between logger and interface cable (with no obstructions).		