

Ecologger

The NIWA Ecologger provides a new, simple to use, cost-effective option for many environmental data collection needs.



Developed in consultation with NIWA engineers, hydrologists and meteorologists, the Ecologger is intended to provide low cost, reliable, unattended, recording of a wide range of environmental parameters.

Derived from proven UNIDATA technologies, the Ecologger brings you the latest in compact, simple to use, portable measurement and recording instrumentation.

Features:

- Cost-effective
- Telemetry capable
- Low power
- 128k Data Storage
- Battery backed memory
- Log interval 0.25 second to 1 week
- Transient voltage and RF protection
- Fully user-programmable
- Compatible with UNIDATA support software
- Rugged environmental enclosure
- SDI-12 compatible

Typical applications

Hydrological:

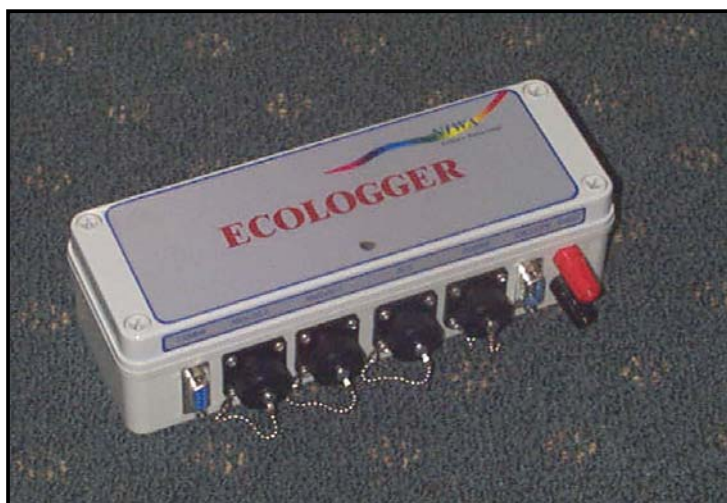
- SDI-12 sensors
- Pressure transducers
- Shaft encoders
- Ultrasonic sensors
- Tipping bucket raingauges
- Water quality parameters
- Volume proportional sampling

Meteorological:

- Wind speed and direction
- Temperature
- Relative humidity
- Atmospheric pressure
- Solar radiation
- Rainfall

Ecologger Specifications:

Dimensions	L235, W 115, D 68 mm Polycarbonate enclosure	Scan rate	0.25 sec to 5 min, programmable
Protection	Rated IP 65	Outputs	1 x User prog. PS (2AUPS) 1 x 5v (scan synchronised) 1 x open collector (control) 1 x 12v Aux. (2A fused)
Power supply	Voltage 12 v dc norm Current (idle) 100 μ A Current (Scan) 30 mA	Indicator	1 x scan LED
Inputs	2 x Analog 0 - 2.5v (10 bit resolution) 1 x HS serial (encoder) 1 x counter (rainfall) 1 x SDI-12 1 x Logic state	Operating Temp.	-20 ⁰ to +60 ⁰
Memory	128k byte CMOS RAM	Data output	RS232C, 300-76800 baud
Log interval	0.25 sec to 1 week	Warranty period	12 months



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