

OCEANOGRAPHIE

Aqualogger

Logger de mesure de pression de température et de turbidité

Ultra-Compact Data Logging Oceanographic Instruments

The AQUAlogger series of data logging instruments forms the mainstay of Aquatec Subsea's instrumentation line. With the emphasis on compact, self-contained instrumentation, the AQUAlogger range offers precision and performance with simplicity and economy.

There are four levels within the AQUAlogger family. The AQUAlogger 100 and 200 series are based on a low cost microcontroller with cable communications and moderate solid state storage. The former offers smart sensors giving real-time updates to a PC using a direct cable link, while the latter is fully selfcontained, and uses the PC only for configuration and data download. The AQUAlogger 300 series is based on CEFAS's DST3 technology – ultra-miniature, with built in battery and up to three sensors, plus an ingenious optical data interface.

The AQUAlogger 500 series is a high quality, long life, disposable system.

AQUAlogger 100

Caractéristiques techniques	
Single Sensor Instruments	•Turbidity; Fluorimeter; Pressure (Tide Gauge)
Power	• Internal 3-cell Lithium Thionyl Chloride pack or bus power
Communication	• Multi-drop RS485 Up to 32 nodes over 100m cable
Software	• Windows-based display and logging software

AQUAlogger 200

Caractéristiques techniques	
Single Sensor Instruments	•As for AQUAlogger 100
Sampling	• 0.1s to 90 day interval
Burst Averaging	• Range from 1 to 256 samples
Data Storage	• Non-volatile EEPROM or Flash
Storage Capacity	•64,000 Readings standard. Options to 8 Million Readings
Power	•Internal 3-cell Lithium Th ionyl Chloride pack
Logging Lifetime	•Typically over one year, depending on logging regime
Communication	•RS485
Software	•Windows-based configuration and download software



← **AQUAlogger 200TY Turbidity Logger**

AQUAlogger 300

Caractéristiques techniques	
Built-in sensors	• Temperature, pressure, and light
Smallest package	• 18mm diameter x 57mm
Sampling	• 1s to 99 day interval
Data Storage	• Non-volatile Flash
Storage Capacity	Up to 1.5 Million Readings
Power	Internal 3-cell Lithium Thionyl Chloride pack
Logging Lifetime	Typically over one year, depending on logging regime
Communication	Optical, with dedicated reader and RS232 interface
Software	Windows-based configuration and download software



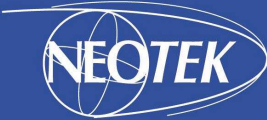
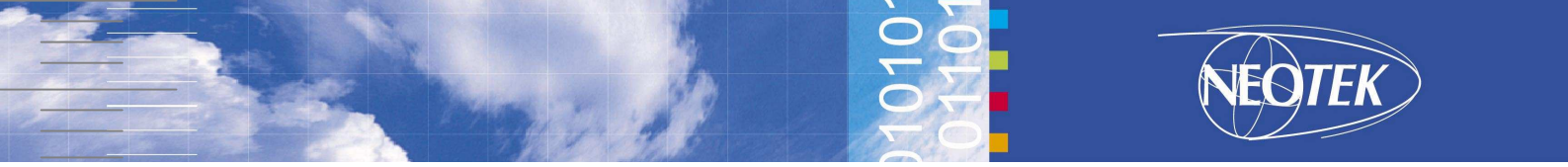
← **AQUAlogger 300PTL10 Pressure**

AQUAlogger 500

The AQUAlogger 500 series are disposable devices, that are moulded and sealed for life. The first of the AQUAlogger 500 series is the AQUAlogger 500TX (see right) – a high precision temperature logger, with 64,000 reading capacity, and $\pm 0.1^{\circ}\text{C}$ accuracy.



← **AQUAlogger 500**



Special Systems

Aquatec also carry out special systems design based on the various AQUA *logger* cores, so please contact us if the instrument you require is not featured.