

DATASHEET

AQUAlogger® 210TY

Turbidity logger



Turbidity, temperature,
pressure - to 4000m

IDEAL FOR DREDGE MONITORING / WATER QUALITY STUDIES

KEY FEATURES

- Multi-parameter logger
- Custom solutions for greater depths
- Optional automatic wipers to combat biofouling
- Real time reporting capability as standard
- Up to 4000FTU

APPLICATIONS

- Coastal erosion studies
- Dredge monitoring
- Environmental impact assessments

SENSOR SPECIFICATIONS

	Turbidity
Light Source Wavelength	880 nm
Scatterance Angles	15 - 150 degrees
Linearity	±2% deviation 0 - 1250 FTU; ±5% deviation 0 - 1600 FTU; above 1250 FTU, sensor is non-linear, with optional polynomial correction equation
Measurement Range	Maximum typically 4000 FTU over four automatically switched gain ranges.

	Temperature	Pressure
Sensor type	Thermistor	Piezo-resistive bridge
Ranges	-2 to 30°C standard, other ranges on request	1.6 bar (6m), 4 bar (30m), 10 bar (100m), 16 bar (160m), 25 bar (250m), 40 bar (400m), 60 bar (600m), 100 bar (1000m), 200 bar (2000m), 250 bar (2500m), 400 bar (4000m)
Resolution	better than 0.007°C	better than 0.01% full scale
Accuracy	±0.05°C	typically better than 0.2% full scale

LOGGER SPECIFICATION

Data storage capacity	Nominal 4M parameter readings, in non-volatile FLASH
Logging lifetime	Depends on logging parameters - up to 1 year Data retention >10 years
Burst sampling	Bursts every 1 - 255 seconds or 1 - 255 minutes
Within-burst rate	From 1 Hz to once every 30 seconds
Burst averaging	Bursts may be averaged to a single data value
Communication	RS232 or RS422 (specify) and USB 1.1, bus powered
Optional extra inputs	2 channels 0-5V external
Optional Controls	External trigger input or output
Battery	3 x 3.6V Custom Lithium 'AA' cell pack
Software	AQUAtalk for Windows for configuration and download
Attachment	Single point attachment through mounting hole or use clamp
Maximum depth	4000 m standard, custom solutions beyond

Contact us

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