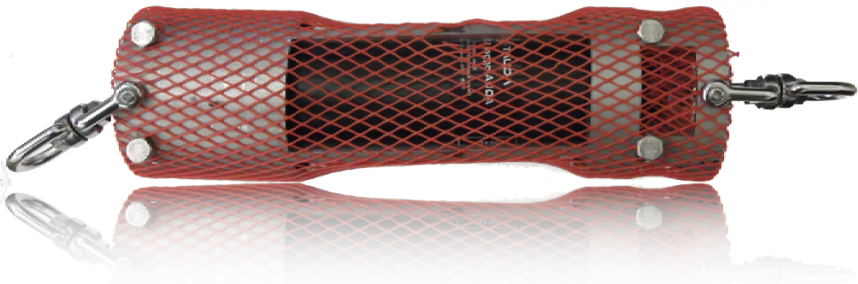


DATASHEET
AQUALogger® 530
Wireless logger



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Temperature,
pressure - to 600m

IDEAL FOR COMMERCIAL FISHERIES AND OCEANOGRAPHIC SURVEYS

KEY FEATURES

- Wireless logger
- Automatic data display on retrieval
- Automatic download and processing
- Quick and easy deployment

APPLICATIONS

- Commercial fisheries - to aid species targeting and fishing methods
- Oceanographic and environmental monitoring

SENSOR SPECIFICATIONS



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	Temperature	Pressure
Sensor type	Thermistor	Piezo-resistive bridge
Ranges	-2 to 30°C standard, other ranges on request	60 bar (~600m) (Other sensors available on request)
Resolution	better than 0.007°C	better than 0.01% full scale
Accuracy	±0.05°C	typically better than 0.2% full scale*
Time constant	better than 5 seconds to 63% of the value	N/A

LOGGER SPECIFICATION

Data storage capacity	Greater than 4M parameter readings, in non-volatile FLASH
Logging lifetime	Typically 1 year, depending on regime
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
Logger communication	Wireless - IEEE802.15.1
Reader communication	USB 2.0, bus powered
Battery	1.5V Alkaline Battery
Software	AQUAtalk for Windows for configuration and download
Attachment	Single or double point attachment, with holes for screw attachment and shackles (provided) for rope, shackle or carabiner attachment
Maximum depth	600m
Dimensions	200mm (7.9") long x 55mm (1.3") diameter - logger only 250mm (9.8") long x 74mm (2.9") diameter - with cage
Weight	520g (18.3oz) in air; 200g (7oz) in water - logger only 1320g (46.6oz) in air; 600g (21.2oz) in water - with cage

* Including non-linearity, hysteresis, zero offset and end value deviation (corresponds to measured error per IEC 61298-2 at room temperature.

Contact us

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