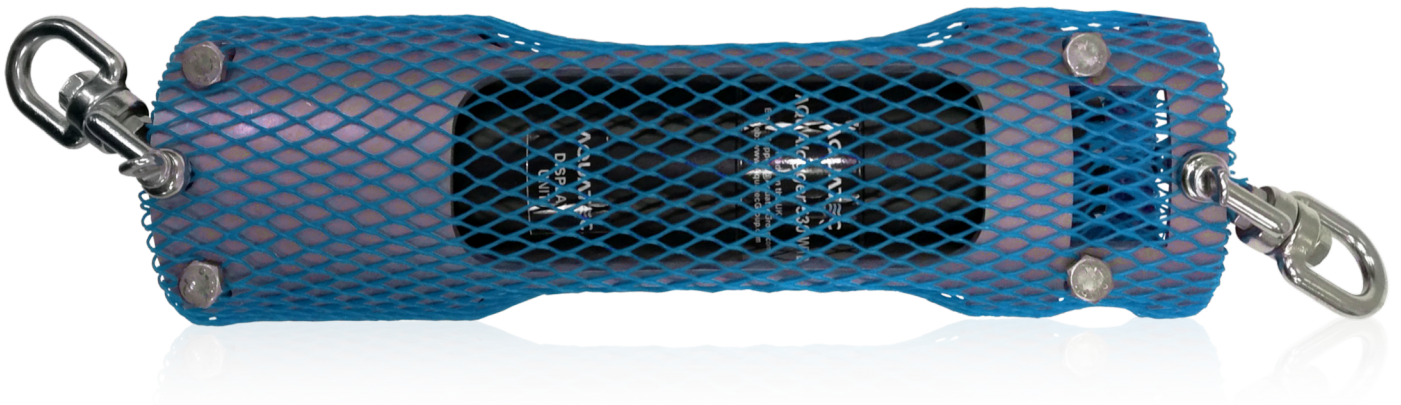


# WIRELESS TEMPERATURE & DEPTH LOGGERS

AQUAlogger® 530WTD - Datasheet



## KEY FEATURES

- Self-contained logger
- Pressure to depth conversion
- Compact wireless design
- Automatic data display on retrieval
- Automatic download and processing
- Flexible sampling - options for continuous and burst sampling, depth trigger, up to 1 Hz sample rates and averaging
- Robust cage to protect logger on vessels

## APPLICATIONS

- Oceanographic and environmental monitoring
- Commercial fisheries - to aid species targeting and fishing methods
- Crowdsourcing and citizen science projects

## MODELS

- Temperature and pressure loggers
- High-speed temperature and depth loggers

# SPECIFICATIONS

<b>SENSOR</b>	Pressure	Piezo-resistive bridge 5 bar (~40 m), 11 bar (~100 m), 51 bar (~500 m)  ±0.2% FS accuracy*, 0.01% FS resolution
	Temperature	Thermistor  -2 to 35°C standard range  ±0.05°C accuracy, 0.001°C resolution  Time constant - better than 5 seconds to 63% of the change in value (high speed temperature probe with 1 second time constant also available)
<b>LOGGER</b>	Parameters	Pressure, temperature, battery voltage - all models Depth - derived parameter
	Memory	> 4,000,000 parameters readings in non-volatile FLASH
	Logging Lifetime	Depends on logging parameters - up to 1 year
	Data Retention	>10 years
	Sampling	Burst or continuous
	Acquisition Range	Up to 1 Hz
	Burst Averaging	Bursts may be averaged to a single data value
	Logger Communication	Wireless - IEEE802.15.1
	Reader Communication	USB, bus powered
	Battery	1.5V alkaline battery
	Software	AQUAtalk™ for configuration and download
	Maximum Depth	500 m
	Material	Acetal
	Weight	520 g in air, 200 g in water - logger only 1,320 g in air, 600 g in water - with cage
	Dimensions	Diameter - 55 mm, Length - 200 mm - logger only Diameter - 74 mm, Length - 250 mm - with cage
Attachment	Single or double point attachments, with holes for screw attachment and shackles (provided) for rope, shackle or carabiner attachment	
<b>MODELS</b>	AQUAlogger® 530WTD	Turbidity logger, maximum 1000 m depth
	AQUAlogger® 530WHSTD	Turbidity, pressure and temperature, maximum 1000 m depth (sensor dependent)

