



## Water Quality Measurement Instrument

- Product type Attended, Unattended
- Parameters measured Temperature, Conductivity, Depth, pH, Dissolved Oxygen (LDO), Turbidity, ORP, Blue-Green Algae, Chlorophyll a, Ammonium, Nitrate, Chloride
- Product Highlights The next generation multiparameter water quality instrument
- Interface SDI-12, RS-485, RS-232, TTY, USB

The HYDROLAB HL7 multiparameter sonde offers a versatile, durable and practical solution to the day to day needs of monitoring programs for both simple and complex deployments. With a large sensor suite, it is able to thrive in demanding environmental conditions for long term continuous and profile monitoring.

Bio-fouling is minimized when equipped with the central cleaning brush and performance is maximized with an advanced power management system. It has a temperature sensor, seven external sensor ports and an optional internal depth sensor.

It helps our customers to correctly log data autonomously and easily integrate into real time telemetry systems.













## **Technical Data**

Hydrolab HL7 - Multiparameter Sonde



Sensor Ports	9 sensor ports available
Dimensions	Diameter: 8.9 cm (3.5 in.) without rubber bumpers; 9.8 cm (3.85 in.) with rubber bumpers
Length:	66.4 cm (26.1 in.)
Weights	4.5 kg (10 lb) with four Dcell batteries, storage/calibration cup with no liquid

Power Requirements	624 VDC (12 VDC nominal) applied to the communications
	module, 12 VDC:2.0 W average, 24 W peak

Battery Life*	90 days
Operating Temperature	-5 to 50 °C (23 to 122 °F), nonfreezing
Storage Temperature	1 to 50 °C (34 to 122 °F)

Depth	200 m (656 ft) maximum
Data Memory	4 GB
Tensile strength	(Maximum) Mooring cap: 68 kg (150 lb); deployment cable: 227
	kg (500 lb)

Communications	Communications module: USB, SDI12,RS232 Modbus, RS485 Modbus and RS232 TTY
Sampling Rate	1 Hz minimum, (once per second)









