

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.

We reserve the right to make technical changes and improvements without notice. V-01/06/2020
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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	6...24 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)

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