

New Hydrolab Platform: Reliability, Ease-of-use, Metadata

- **Product type**
  Attended, Unattended

- **Parameters measured**
  Temperature, Conductivity, Depth, pH, Dissolved Oxygen (LDO), Turbidity, ORP, Clorophyll a, Blue-green algae, Rhodamine, Ammonium, Nitrate, Chloride

- **Product highlights**
  The next generation multiparameter water quality instrument

- **Interface**
  SDI-12, RS-485, RS-232, TTY, USB

The Hydrolab HL4 is the next generation multiparameter water quality sonde from OTT Hydromet. Know the instrument is working correctly and troubleshoot quickly. Streamline calibration tasks and produce valid, scientifically defensible conclusions.

Use with the Hydrolab Surveyor HL for attended monitoring, or for unattended continuous monitoring applications, the HL4 has on-board data logging and dedicated communications modules for easy integration with external loggers and telemetry.

Hydrolab HL4 Intro Video

Sensors	Temperature sensor and up to four additional sensors plus depth and ORP

We reserve the right to make technical changes and improvements without notice. V-28/03/2024
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Electrical	
External	6 ... 30 VDC (12 VDC nominal) applied to the communications module, 12 VDC: 250 mW average, 19 W peak
Internal	(Optional) Internal alkaline D-cell battery, non-rechargeable.
Sleep mode at 12 V	20 mA
Communications	Hydrolab communications modules: USB, SDI-12, RS232, RS485, or TTY
Memory	4 GB of internal memory; 1 second interval minimum

User Interface	
PC Software	Hydrolab Operating Software
Handheld	(Optional) Hydrolab Surveyor HL

General	
Sonde Depth Rating	200 m (656 ft)
Maximum Deployment Cable	200 m (656 ft)
Diameter w/o bumpers	4.4 cm (1.75 in.)
Diameter with bumpers	5.3 cm (2.1 in.)
Weight with internal battery pack (IBP) and storage/calibration cup	2.2 kg (5 lb)
Length - no IBP, standard sensor guard	51.4 cm (20.25 in.)
Length - no IBP, extended sensor guard	66.4 cm (26.125 in.)
Length - IBP and standard sensor guard	62.2cm (24.5 in.)
Length - IBP and extended sensor guard	77.8 cm (30.625 in.)

Environmental conditions	
Operating temperature	-5 ... 50 °C (23 ... 122 °F), non-freezing
Storage temperature	1 ... 50 °C (34 ... 122 °F)

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