



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

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











Technical Data

Hydrolab HL4 Multiparameter Sonde



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	2.2 kg (5 lb)
(IBP) and storage/calibration cup	
Length - no IBP, standard sensor	51.4 cm (20.25 in.)
guard	
Length - no IBP, extended sensor	66.4 cm (26.125 in.)
guard	
Length - IBP and standard sensor	62.2cm (24.5 in.)
guard	
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)









