



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

- **Product type**  
Attended, Unattended
- **Parameters measured**  
Temperature, Conductivity, Depth, pH, Dissolved Oxygen (LDO), Turbidity, ORP, Chlorophyll 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](#)

|                |                                                                         |
|----------------|-------------------------------------------------------------------------|
| <b>Sensors</b> | Temperature sensor and up to four additional sensors plus depth and ORP |
|----------------|-------------------------------------------------------------------------|

| Electrical         |                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------|
| External           | 6 ... 30 VDC (12 VDC nominal) applied to the communications module,<br>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)                |