



HYDROLAB HL7 Sonde, Temperature, Internal Battery Power, Other Integrated Sensors

Product #: HL7TABATT

USD Price: Contact Hach

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. The HL7 sonde with a large sensor suite is able to thrive in demanding environmental conditions for long term continuous monitoring. Bio-fouling is minimized when equipped with the central cleaning brush and performance is maximized with an advanced power management system. The HL7 sonde has a temperature sensor, seven external sensor ports and an optional internal depth sensor. It helps environmental scientists to correctly log data autonomously and easily integrate into real time telemetry systems. The HYDROLAB Operating Software streamlines data collection and calibration tasks necessary to validate accurate data. Calibration logs and metadata are also available to help with QA/ QC requirements.

Peace of mind

Ready to use for long deployments with a self-monitoring system that reports the status of the instrument. The antifouling sensor cleaning brush significantly extends field use and decreases bio fouling.

Long-lasting

Designed to withstand the heavy everyday use of demanding field deployments and has a typical battery life capable of greater than 90 days deployment to help ensure maximum performance.

Field proven sensor measurement technology for data continuity

Durable sensor suite helps maintain a cost-effective water quality monitor, and the long-term stability and accuracy is achieved with the central wiper and brush. The serviceable pH reference sensor helps reduce maintenance costs over time.

Customizable

Five optical sensor ports offer greater sensor choice for different monitoring applications.

Traceability of measurements to boost confidence in results

Includes guided calibration routines which increase efficiencies, and safeguard field measurements with smarter verification methods. The sensor's diagnostics and metadata information also validate measurements, and there is a reduced risk of errors with calibration history information.

Specifications

Battery Life:	90 days
Communication:	Communications module: USB, SDI-12, RS232 Modbus, RS485 Modbus and RS232 TTY
Dimensions:	Ø 3.9 in (9.8 cm) with rubber bumpers
	Length: 26.2 in (66.4 cm)
Measuring Range Depth:	656 ft (200 m) minimum

Memory:	4GB
Number of Analog Ports:	7
Operating Temperature Range:	23 - +122 °F , non-freezing
Power Supply:	6 - 24 VDC (12 VDC nominal) applied to the communications module, 12 VDC: 2.0 W average, 24 W peak
Sample Rate:	1 Hz minimum, (once per second)
Sensor Ports:	9 sensor ports available 2 fixed sensor ports for temperature and optional depth sensor only 7 ports for integrating other sensor options Parameters available depends on sensor installed Maximum of 5 ports available for optical dissolved oxygen and 4 another optical sensors
Standard storage temperature:	34 - +122 °F (1 - +50 °C)
Weight:	9.9 lb (4.5 kg)