



OTT Orpheus Mini Level Logger, Alkaline, 0 - 40 m

Product #:

ORM040MALT

USD Price:

Contact Hach

The OTT Orpheus Mini is an integrated pressure sensor and datalogger for level measurement in surface and groundwater applications. It features a robust ceramic measuring cell for long term accuracy and its built in datalogger manages and stores all measurements at user-programmable intervals.

Complete solution

Pressure sensor with built-in data logger manages and stores pressure, depth to water, water level (stage), and/or temperature measurements at programmable intervals.

High reliability

Mechanical resistance to pressure overload and corrosive waters. Easy to maintain or clean - if necessary.

High accuracy

Ceramic pressure cell, unlike membrane technology, will not deform over time providing long-term measurement stability.

Simple maintenance

Infrared interface, batteries, and desiccant are accessible at the top of the well or pipe and no tools are required.

Measurement technology

Vented pressure cell to avoid data post processing by compensating the barometric pressure.

Specifications

*Parameters Measured:	Water Level
	Pressure
	Temperature
Battery Type:	Alkaline
Body material:	Stainless steel 1.4539 (904L) resistant to sea water
Calibrated Range:	+41 - +113 °F (+5 - +45 °C)
Interface:	Infrared (IrDA)
Length:	System Length: 5 - 656 ft ($\pm 1\%$; ± 0.16 ft)
Level Accuracy:	$\pm 0.05\%$ FS (linearity and hysteresis)
Lifetime at 1h Reading Intervals:	min. 1.5 years (high quality battery types like Alkaline batteries)
Measuring Range:	0 - 131 ft (0 - 40 m)
Memory:	4 MB non-volatile
Number of Measured Values:	500000

Operating Temperature Range:	+23 - +113 °F (-5 - +45 °C) (ice-free)
Power Supply:	3 x 1.5 V LR6-cells Alkaline
Protection Class:	Communication Unit: IP 67
	Sensor: IP 68
Reading Interval:	1 s - 24 h
Resolution:	0.01 ft; 0.001 psi (0.001 m; 0.1 cm; 0.1 mbar)
Standard storage temperature:	-40 - +185 °F (-40 - +85 °C)
Storage Interval:	1 s - 24 h
Temperature Accuracy:	±0.9 °F (±0.5 °C)
Temperature Range:	-13 - +158 °F (-25 - +70 °C) (ice-free)
Temperature Resolution:	0.01 °F (0.01 °C)