



## OTT Orpheus Mini Level Logger, Alkaline, 0 - 100 m

**Product #:** ORM100MALT

**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.

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## 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 ( $\pm 1$ %; $\pm 0.16$ 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 - 328 ft (0 - 100 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)