



## OTT CTD, 13 ft, Lithium

**Product #:** CTD004MLI

**USD Price:** Contact Hach

The OTT CTD is an integrated sensor and datalogger for measurement of water level, temperature, and conductivity in groundwater and surface water applications.

It features a robust ceramic measuring cell for long term accuracy and has outputs for salinity and total dissolved solids (TDS). 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), temperature measurements as well as conductivity at programmable intervals.

### Conductivity measurement

Outputs for conductivity include specific conductivity, salinity, and total dissolved solids.

### Accurate

Long-term accuracy: a robust ceramic pressure cell will not deform over time, and an accurate 4-electrode conductivity measuring cell provides outputs for salinity and total dissolved solids (TDS).

### High Performance

Mechanical resistance to pressure overload and corrosive waters.

### Flexible Installation

Easily installs in wells or pipes of 1 inch diameter or larger with use of convenient adapter plates.

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## Specifications

*Parameters Measured:	Water Level
	Pressure
	Conductivity
	Temperature
Battery Type:	Lithium
Body material:	ABS, POM, 904 L (DIN 1.4539)
Conductivity Accuracy:	Measuring Range 0.001 - 2.000 mS/cm: $\pm 0.5$ % of measurement value; min $\pm 0.0025$ mS/in ( $\pm 0.001$ mS/cm)
	Measuring Range 0.1 - 100 mS/cm: $\pm 1.5$ % of measurement value; min $\pm 0.025$ mS/in ( $\pm 0.01$ mS/cm)
Conductivity resolution:	Measuring Range 0.001 - 2.000 mS/cm: 0.0025 mS/in (0.001 mS/cm)

	Measuring Range 0.1 - 100 mS/cm: 0.025 mS/in (0.01 mS/cm)
Interface:	Infrared (IrDA)
Level Accuracy:	±0.05 % FS (linearity and hysteresis)
Lifetime at 1h Reading Intervals:	min. 5 years, NA
Measuring Range:	0 - 13 ft (0 - 4 m)
Measuring Range Conductivity:	0.0025 - 5080 mS/in (0.001 - 2000 mS/cm ); 0.25 - 254 mS/in (0.1 - 100 mS/cm)
Memory:	4 MB non-volatile
Number of Measured Values:	500000
Operating Temperature Range:	-13 - +158 °F (-25 - +70 °C) (ice-free)
Power Supply:	3 x 1.5 V LR6-cells Lithium
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)
Storage Interval:	1 s - 24 h
System Length:	5 - 656 ft (1.5-200 m)
Temperature Accuracy:	±0.9 °F (±0.5 °C)
Temperature Compensation:	+23 - +113 °F (-5 - +45 °C) (ice-free)
Temperature Resolution:	0.01 °F (0.01 °C)