

OTT CTD, 13 ft, Alkaline

Product #:	**CTD004MAL**
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.

Specifications

*Parameters Measured:	Water Level Pressure Conductivity Temperature
Battery Type:	Alkaline
Body material:	ABS, POM, 904 L (DIN 1.4539)
Conductivity Accuracy:	Measuring Range 0.001 - 2.000 mS/cm: ±0.5 % of measurement value; min ±0.0025 mS/in (±0.001 mS/cm) Measuring Range 0.1 - 100 mS/cm: ±1.5 % of measurement value; min ±0.025 mS/in (±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:	NA, min. 1.5 years (high quality battery types)
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 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)
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)