



Pressure sensor for longterm measurement of conductivity, temperature and water level

- Application Surface water, Groundwater
- Measurement technology Vented pressure cell and 4-electrode graphite conductivity cell
- Parameters measured Waterlevel, Temperature, Conductivity
- **Product Highlights** Measures and stores water level, temperature, and conductivity data
- Measurement range
 Water level: 0 ... 4, 10, 20, 40, and 100 m Conductivity: 0.001...2.000 mS/cm, 0.10...100.00 mS/cm
- Accuracy ±0,05 % FS
- Internal data logger Yes

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.

with Lithium-batteries ≥5 years with Alkaline-batteries ≥1.5 years Interface Infrared (IrDA) Datalogger Memory Memory 4 MB Amount of values approx. 500,000 Measurement interval 5 sec 24 h Storage interval 5 sec 24 h Installation ≥ 1" Material ABS, POM, stainless steel 1.4539 (904 L) Weight Com unit (incl. bat) Com unit (incl. bat) approx. 0.410 kg Sonde approx. 0.430 kg Dimensions Com unit L x Ø Korage temperature -[40 +85 °C Protection class Com unit Com unit IP67 (water column max. 2 m, duration max. 24 h) Sonde IP68 Water level measurement 0 4 m, 10 m, 20 m, 40 m, 100 m Resolution: 0.001 m / 0.1 cm / 0.01 ft / 0.1 inch 0.0001 bar / 0.001 ft ji	Lifetime (@1h interval)	
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Temperature compensated \Box -5 +45 °C (icefree)		m, cm, ft, inch, bar, psi
	Temperature compensated	[]-5 +45 °C (icefree)
operating range	operating range	

Temperature measurement

2-3

We reserve the right to make technical changes and improvements without The surray of the surray ADCON ADCON

Technical Data OTT CTD Sensor



Measurement range:	[]-25 +70 ℃
Resolution:	0.01 °C
Accuracy:	± 0.1 °C
Conductivity measurement	Measurement range selectable
Measurement range 1:	0.001[] 2.000 mS/cm
Resolution:	0.001 mS/cm
Accuracy:	±0.5 % of measurement value; (min ±0.001 mS/cm)
Units:	mS/cm / µS/cm
Measurement range 2:	0.1 []100 mS/cm
Resolution:	0.01 mS/cm
Accuracy:	±1.5 % of measurement value; (min ±0.01 mS/cm)
Units:	mS/cm

Electrical data	
Power supply	Lithium or Alkaline batteries
	3 x 1.5 V battery (LR6·AA, FR6·AA)