



Key Features

- Memory capacity: 144,000 records of pressure, temperature & conductivity
- 22 mm diameter and 135 mm length
- Corrosion-proof ceramic body & pressure sensor for harsh environments
- Measures electrical conductivity from 0 to 300 mS/cm using a four-electrode sensor
- Measures true conductivity or specific conductivity at 25°C, depending on user preference

The CTD-Diver is an advanced, corrosion-proof multiparameter groundwater data logger designed to autonomously measure and record conductivity, pressure, and temperature.

The CTD-Diver is an ideal solution for monitoring groundwater levels and tracking issues such as saltwater intrusion, injected wastewater, or contamination from chemical discharges and landfill sites. Featuring a 22 mm diameter rugged corrosion-proof ceramic (zirconium-oxide) housing, this submersible data logger is built for long-term, uninterrupted, real-time water level monitoring.

A memory capacity of 144,000 records with measuring ranges, 10 m, 50 m, 100 m, and 200 m.

Applications

- Water quality monitoring for agriculture, remediation, and contaminants e.g. nitrates
- Tidal fluctuations monitoring
- Estuary and wetlands monitoring
- Leachate monitoring at landfill sites
- Aquifer storage and recovery
- Network automation monitoring
- Groundwater/surface water monitoring projects

Specification

Conductivity sensor	4-electrode with platinum electrodes
Diameter	22 mm
Weight	95 g
Length	135 mm including suspension eye
Material casing	Zirconia (ZrO ₂)
Protection class	IP68: 10 years continuously submerged in water at 100m
Memory capacity	144,000 measurements
Sampling rate	1 sec to 99 hours
Battery life	8-10 years, depending on use



Variations Specification				
Item	11116001	11116002	11116003	11116004
Water column measurement range (mH ₂ O)	10	50	100	200
Accuracy (max) (cmH ₂ O)	± 2.0	± 10.0	± 20.0	± 40.0
Accuracy (typical) (cmH ₂ O)	± 0.5	± 2.5	± 5.0	± 10.0
Long-term stability (cmH ₂ O)	± 2	± 10	± 20	± 40
Resolution (cmH ₂ O)	0.2	1	2	4
Display resolution (cmH ₂ O)	0.058	0.192	0.358	0.716
Overload pressure (mH ₂ O)	15	75	150	300
Conductivity				
Measurement range* (mS/cm)	30	120	300	
Accuracy**	±2% of reading with a minimum of 20 μS/cm			
Resolution (μS/cm)	1	4	10	

* User adjustable

** Undefined when reading > 120 mS/cm

