

# CTD-Diver

## Reliable in all conditions

Where there is a need to monitor not only groundwater levels but also saltwater intrusion, injected wastewater, or contamination from chemical discharges and landfill sites, the ceramic-casing on the CTD-Diver is the instrument of choice.

In addition to the pressure and temperature sensor, the CTD-Diver has a four-electrode conductivity sensor for reading conductivity across an expanded measurement range (0-120 mS/cm). There are two options for measuring conductivity: displaying measured conductivity or specific conductivity at 25 °C.

The CTD-Diver accurately records up to 48.000 measurements of groundwater levels, temperature and conductivity with corresponding date and time. The CTD-Diver can be read out in situ or combined with telemetry.

### Highlights

- Hermetically sealed in ceramic housing
- Various measurement methods: fixed, eventdependent, averaging and pumping test
- Robust corrosion resistant housing
- 10 years battery life

### General specifications

Dimensions	Ø 18-22 mm × 135 mm
Memory	48.000 measurements
Wetted parts	
housing	• ceramic (ZrO <sub>2</sub> )
conductivity sensor housing	• ceramic (ZrO <sub>2</sub> )
conductivity sensor	• platinum electrodes on ceramic (Al <sub>2</sub> O <sub>3</sub> ) carrier
o-rings	• fluorocarbon rubber (FKM)
pressure sensor	• ceramic (Al <sub>2</sub> O <sub>3</sub> )
cap / nose cone	• Akulon (PAG 30%)
Battery life	10 years
Sample interval	1 second to 99 hours
Mass	95 grams



### Temperature specifications

Range / compensated                    -20 °C to 80 °C / 0 °C to 50 °C  
Typical accuracy                        ±0.1 °C  
Resolution                                0.01 °C

### Conductivity specifications

User adjustable range                10 µS/cm to 120 mS/cm  
Typical accuracy                        ± 1 % of reading  
Resolution                                ± 0.1 % of reading

### Pressure specifications

Type	11.11.59.01	11.11.59.02	11.11.59.03
Range	10 m H <sub>2</sub> O	50 m H <sub>2</sub> O	100 m H <sub>2</sub> O
- Typ. accuracy	±0.5 cm H <sub>2</sub> O	±2.5 cm H <sub>2</sub> O	±5.0 cm H <sub>2</sub> O
- Resolution	0.2 cm H <sub>2</sub> O	1.0 cm H <sub>2</sub> O	2.0 cm H <sub>2</sub> O



*Diver family*

**The CTD-Diver is part of the Diver family. Visit [diver-water-level-logger.com](http://diver-water-level-logger.com) for more information**