

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 144,000 measurements of groundwater levels, temperature and conductivity with corresponding date and time (and 144,000 backup). 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	144,000 measurements (and 144,000 backup)
Wetted parts	
housing	• ceramic (ZrO ₂)
conductivity sensor housing	• ceramic (ZrO ₂)
conductivity sensor	• platinum electrodes on ceramic (Al ₂ O ₃) carrier
o-rings	• Viton®
pressure sensor	• ceramic (Al ₂ O ₃)
cap / nose cone	• Nylon PA6 30% glass fiber
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	11116001	11116002	11116003	11116004
Range	10 m H ₂ O	50 m H ₂ O	100 m H ₂ O	200 m H ₂ O
- Typ. accuracy	±0.5 cm H ₂ O	±2.5 cm H ₂ O	±5.0 cm H ₂ O	±10.0 cm H ₂ O
- Resolution	0.2 cm H ₂ O	1.0 cm H ₂ O	2.0 cm H ₂ O	4.0 cm H ₂ O



Diver family

The CTD-Diver is part of the Diver family. Visit royaleijkelkamp.com for more information.