



VanEssen

## VanEssen CTD-Diver

Pine Item #51931

### DESCRIPTION:

Where there is a need to monitor groundwater levels and saltwater intrusion, injected wastewater, or contamination from chemical discharges and landfill sites, the CTD-Diver® with its 22 mm diameter rugged, corrosion-proof ceramic (zirconium-oxide) housing, is the instrument of choice.

The CTD-Diver is a submersible datalogger for long-term uninterrupted, real-time water level monitoring using a pressure sensor when submerged at a fixed level under the water surface. The pressure sensor measures the equivalent hydrostatic pressure of the water above the sensor diaphragm to calculate the total water depth. In addition, to a pressure sensor, the CTD-Diver is also equipped with a 4-electrode conductivity sensor for measuring the true or specific electrical conductivity of the water. The Diver autonomously measures conductivity, pressure, and temperature and records them in its internal memory. The Diver is ideal for ground and surface water level applications.

### FEATURES:

- Innovative ceramic housing technology
- Three sensors in one sealed housing
- Conductivity range up to 120 mS/cm
- Compact size: Ø 22 mm - length 135 mm
- Various measurement methods
- 48000 records of time stamp pressure temperature and conductivity
- 30-Point Pressure Factory Calibration

### APPLICATIONS:

- Pollution monitoring: Landfill leachate monitoring
- Coastal zone aquifer management: Salt water intrusion
- Estuary monitoring: - Water quality | Tidal fluctuations
- Mining: Tailings: - Pollution | Environmental: Plume/ Leakage
- Remediation: - Water quality: Correlate conductivity with permanganate

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## Product Specifications

<b>Model</b>	DI273
<b>Range</b>	100
<b>Accuracy</b>	$\pm 5.0$
<b>Resolution</b>	2.0



**Local Delivery Pick-up**



**In-Stock Equipment**



**Repair & Calibration**



**Rental Protection Plan**