

Cera-Diver datalogger



Applications:

- Monitoring projects
- Groundwater monitoring network automation
- Pumping tests

Cera-Diver: at home in any environment

To monitor groundwater under potentially corrosive conditions, as brackish water and seawater, requires a robust and durable datalogger. The ceramic Cera-Diver is designed specifically for such environments. Therefore the Cera-Diver can be perfectly used in projects together with the CTD-Diver. This highly reliable and compact Diver measures groundwater levels with an accuracy of 0.05% (FS). The Cera-Diver is equipped with a memory for 48,000 measurements per parameter, sufficient to enable it to perform nearly one measurement every ten minutes for a whole year. The built-in battery has a lifespan of approximately 10 years.



Highlights:

- 3 year warranty
- Long-term and frequent measurements
- Various measurement methods:
 - fixed
 - event dependent
 - averaging
 - pumping tests
- Temperature corrected measurement
- Reliable and accurate measurement data
- Large memory capacity (non-volatile)
- Compact size
- Robust construction:
 - ceramic
 - corrosion resistant
- Free of maintenance

Specifications:

Dimensions	Ø22 mm x 90 mm
Memory	48,000 measurements (non-volatile)
Sample rate *	0.5 sec to 99 hours
Housing material	ceramic (ZrO ₂)
Pressure sensor material	ceramic (Al ₂ O ₃)
Temperature range	-20 °C to 80 °C
- accuracy	±0.1 °C
- resolution	0.01 °C
- compensated range	0 °C tot 40 °C
Battery life	10 years (depending on use)
Weight	55 grams



Cera-Diver® Technical specifications (pressure)

Type	DI 701	DI 702	DI 705	DI 710	DI 500 (Baro)
Range	10 m H ₂ O	20 m H ₂ O	50 m H ₂ O	100 m H ₂ O	1.5 m H ₂ O
- accuracy**	0.5 cm H ₂ O	1 cm H ₂ O	2.5 cm H ₂ O	5 cm H ₂ O	0.5 m H ₂ O
- resolution	0.2 cm H ₂ O	0.4 cm H ₂ O	1 cm H ₂ O	2 cm H ₂ O	0.1 cm H ₂ O

* various measuring methods available (fixed, event based, averaging and pumping tests)

** within temperature compensated range