



# Discover the all new TD-Diver



*Meet the difference*

# DISCOVER THE **NEW** DIVER



**THE NO. 1 WATER LEVEL LOGGER**

We are very excited to introduce the new TD-Diver as the Mini-Diver's successor! The new TD-Diver is a totally new design which combines over 75 years of groundwater monitoring experience with the most recent technologies and components available in the market today.

When developing the TD-Diver the focus on long term reliability and stability has remained unwavering. The enclosure has been redesigned to optimize the protection of the pressure sensor and electronics and by making the TD-Diver heavier than its predecessor, users will experience a simpler and smoother deployment down a bore-hole.

The electronics for the TD-Diver have been designed to use state of the art components, which has allowed us to incorporate more memory and additional logging schemes.

By adding more memory and processor capacity, compensation and calibration of the pressure sensor has been improved. This gives the TD-Diver the features to guarantee the best linearity, accuracy and stability.

## Benefits of the new Diver

- Spend less time waiting for your data to be retrieved
- Choose your own data logging method, continuous memory or fixed length memory
- With 72,000 records you can record a sample every 15 minutes for more than 2 years
- More efficient electronics allow 2 times more samples without compromising the battery lifetime
- After restart of your Diver a backup of previous data is still available; 72,000 backup records
- Increased corrosion resistance by additional surface treatment of the housing
- Easy connection with SDI-12, Modbus protocols
- Twice the weight so easier deployment of the Diver
- The new TD-Diver and Baro-Diver can be used with all existing Diver accessories

The TD-Diver is based on an ingenious and proven concept and is acknowledged as the most reliable instrument for the autonomous measuring and recording of groundwater level and temperature. Its internal working memory of 72,000 measurements per parameter provides sufficient capacity to perform one measurement every 15 minutes for over 2 years. For each measurement, the Diver registers the date and time, groundwater level, and temperature.

## Technical specifications TD-Diver

	Metric (M)	Imperial (I)
Length	110 mm	4.33 in
Diameter	22 mm	0.87 in
Weight	104 g	3.67 oz
Memory	72,000 measurements (and 72,000 as backup) continuous and fixed length memory	
Battery life	up to 10 years (dependent on usage)	
Sample interval	½ second to 99 hours	
Sample method	fixed interval	
Communication	RS232	

### Wetted parts

Housing	stainless steel (316L)
O-rings	Viton®
Pressure sensor	piezo resistive ceramic (Al <sub>2</sub> O <sub>3</sub> ) with thermal compensation
Cap	Nylon PA6 30% glass fiber
Nose cone	ABS

### Pressure

Article number	11110402		11110404		11110406		11110408		M	I
	M	I	M	I	M	I	M	I		
Range	10	33	20	66	50	164	100	328	mH <sub>2</sub> O	ftH <sub>2</sub> O
Accuracy*	± 0.5	± 0.2	± 1.0	± 0.4	± 2.5	± 1.0	± 5.0	± 2.0	cmH <sub>2</sub> O	inH <sub>2</sub> O
Resolution	0.06	0.02	0.09	0.04	0.19	0.07	0.36	0.14	cmH <sub>2</sub> O	inH <sub>2</sub> O

### Temperature

	Metric	Imperial
Range	-20 to 80 °C	-4 to 176 °F
Calibrated	0 to 50 °C	32 to 122 °F
Accuracy*	± 0.1 °C	± 0.18 °F
Resolution	0.01 °C	0.01 °C / 0.018 °F

\* = typical



The conveniently priced Baro-Diver water level logger has also been equipped with the new technologies. The Baro-Diver ensures that you accurately capture changes in atmospheric pressure. Conveniently priced and easy to deploy, one Baro-Diver covers a radius of up to 15 km, depending on the topography. The Baro-Diver can also be used for measuring shallow water levels up to approximately 0.9 meter. The Baro-Diver has an internal working memory capable of storing 72,000 measurements per parameter. For each measurement, the Baro-Diver simultaneously registers barometric pressure, air temperature, date and time.

## Technical specifications Baro-Diver

	Metric	Imperial
Length	110 mm	4.33 in
Diameter	22 mm	0.87 in
Weight	104 g	3.67 oz
Memory	72,000 measurements (and 72,000 as backup) continuous and fixed length memory	
Battery life	up to 10 years (dependent on usage)	
Sample interval	1/2 second to 99 hours	
Sample method	fixed interval	
Communication	RS232	

### Wetted parts

Housing	stainless steel (316L)
O-rings	Viton®
Pressure sensor	piezo resistive ceramic (Al <sub>2</sub> O <sub>3</sub> ) with thermal compensation
Cap	Nylon PA6 30% glass fiber
Nose cone	ABS

### Pressure

Article number 11115601

	Metric	Imperial
Range	1.5 mH <sub>2</sub> O	4.9 ftH <sub>2</sub> O
Accuracy*	± 0.5 cmH <sub>2</sub> O	0.2 inH <sub>2</sub> O
Resolution	0.03 cmH <sub>2</sub> O	0.01 inH <sub>2</sub> O

### Temperature

	Metric	Imperial
Range	-20 to 80 °C	-4 to 176 °F
Calibrated	-10 to 50 °C	14 to 122 °F
Accuracy*	± 0.1 °C	± 0.18 °F
Resolution	0.01 °C	0.018 °F

\* = typical

