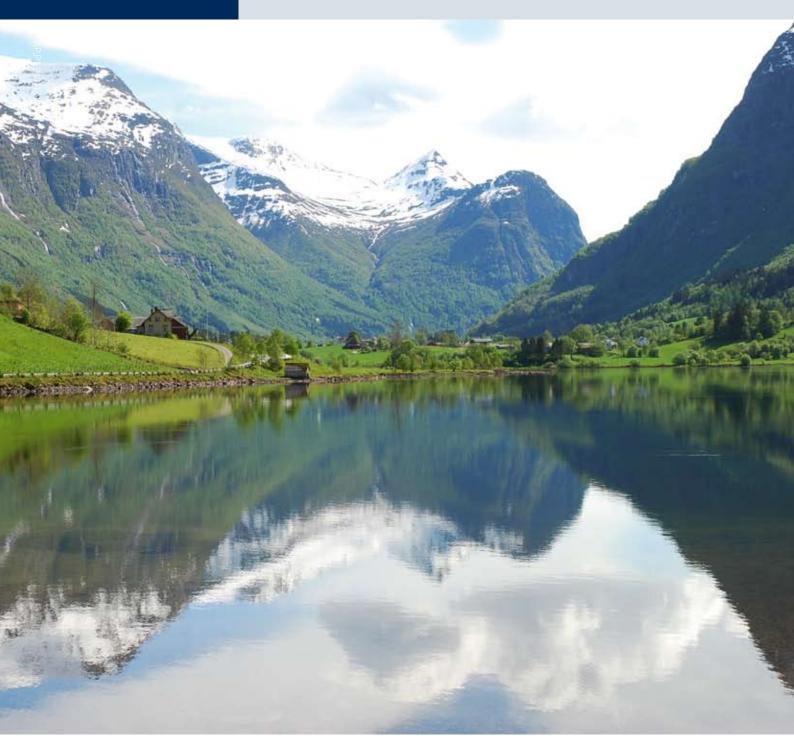


Diver[®]/e-SENSE[®]



Technical specifications

MiniDiver

Measuring frequency: 0.5 sec up to 99 hours (fixed only)Memory capacity: 24,000 measurements (non-volatile)

Material housing: stainless steel 316LMaterial pressure sensor: ceramic (Al_2O_3) Temperature range: -20 °C up to 80 °C• accuracy: \pm 0.1 °C (OT)• resolution: 0.01 °C• compensated range: 0 °C up to 40 °C

Battery life : 8-10 years (dependent on use)

Dimensions : Ø 22 mm x 90 mm

Weight : 70 grams

Туре	11.11.01.02	11.11.01.04	11.11.01.06	11.11.01.08
Measuring range	10mH ₂ O	$20mH_2O$	50mH ₂ O	100mH ₂ O
• typ. accuracy**	± 0.05% FS***	± 0.05% FS	± 0.05% FS	± 0.05% FS
 resolution 	0.25 cmH ₂ O	0.4 cmH ₂ O	1 cmH ₂ O	2 cmH ₂ O

BaroDiver11.11.55.01Measuring range $1.5 \text{ mH}_2\text{O}$ • typ. accuracy** $\pm 0.5 \text{ cmH}_2\text{O}$ • resolution $0.25 \text{ cmH}_2\text{O}$



MicroDiver

Measuring frequency* : 0.5 sec up to 99 hours

Memory capacity : 48,000 measurements (non-volatile)

Material housing: stainless steel 316LMaterial pressure sensor: ceramic (Al_20_3) Temperature reach: -20 °C up to 80 °C• accuracy: \pm 0.1 °C (OT)• resolution: 0.01 °C

• compensated range : 0 °C up to 40 °C

Battery life : 8-10 years (dependent on use)
Dimensions : Ø 18 mm x 90 mm

Weight : 50 grams

11.11.02.02 11.11.02.04 11.11.02.06 11.11.02.08 Type 20 mH₂O 50 mH₂O 100 mH₂O Measuring range 10 mH₂O ± 0.15% FS*** • typ. accuracy** \pm 0.15% FS \pm 0.15% FS \pm 0.15% FS resolution 0.25 cmH₃O 0.4 cmH₂O 1 cmH₂O 2 cmH₂O

 BaroDiver
 11.11.55.01

 Measuring range
 1.5 mH₂O

 • typ. accuracy**
 ± 0.5 cmH₂O

 • resolution
 0.25 cmH₂O



^{**)} Within temperature compensated range



^{***)} Full Scale

Technical specifications

CeraDiver

Measuring frequency*

Memory capacity

Material housing

Material pressure sensor

Temperature reach

accuracy

resolution

compensated range

Battery life

Dimensions

Weight

Type

Measuring range
• typ. accuracy**
• resolution

BaroDiver

Measuring range
• typ. accuracy**
• resolution

: 0.5 sec up to 99 hours

: 48,000 measurements (non-volatile)

: ceramic (ZrO₂)

: ceramic (Al₂O₃)

: -20 °C up to 80 °C

: ± 0.1 °C (OT)

0.01 %

: 0 °C up to 40 °C

: 8-10 years (dependent on use)

: Ø 22 mm x 90 mm

: 55 grams

11.11.03.02 11.11.03.04 11.11.03.06 11.11.03.08 10 mH₂O 20 mH₃0 50 mH_aO 100 mH₂O ± 0.05% FS*** ± 0.05% FS ± 0.05% FS ± 0.05% FS 2 cmH₂O 0.25 cmH₂O 0.4 cmH₂O 1 cmH₂O

11.11.55.01

 $1.5 \text{ mH}_2\text{O}$ $\pm 0.5 \text{ cmH}_2\text{O}$ $0.25 \text{ cmH}_2\text{O}$

CTD-Diver

Measuring frequency : 1 sec up to 99 hours

Memory capacity : 48,000 measurements (non-volatile)

 $\begin{tabular}{lll} \textbf{Material housing} & : ceramic (ZrO_2) \\ \textbf{Material pressure sensor} & : ceramic (Al_2O_3) \\ \textbf{Temperature} & : -20 \ ^{\circ}\text{C up to } 80 \ ^{\circ}\text{C} \\ \bullet \ \textbf{accuracy} & : \pm 0.1 \ ^{\circ}\text{C (OT)} \\ \bullet \ \textbf{resolution} & : 0.01 \ ^{\circ}\text{C} \\ \end{tabular}$

Conductivity

Weight

· compensated range

• reach : 0 up to 120 mS/cm

• accuracy $:\pm$ 1% of the measured value or 10 μ S/cm, whatever the largest • resolution :0.1% of the measured value or 0.1μ S/cm, whatever the largest

: 0 °C up to 50 °C

Battery life : 10 years (dependent on use) **Dimensions** : Ø 22 mm x 135 mm

: 95 grams

10 mH₂O ± 0.05 % FS***

0.2 cmH₂O

11.11.59.01

Type Measuring range • typ. accuracy**

resolutionBaroDiver

BaroDiver11.11.55.01Measuring range $1.5 \text{ mH}_2\text{O}$ • typ. accuracy** $\pm 0.5 \text{ cmH}_2\text{O}$ • resolution $0.1 \text{ cmH}_2\text{O}$



^{**)} Within temperature compensated range







11.11.59.02

50 mH₂O

± 0.05 % FS

1.0 cmH₃O

11.11.59.03

100 mH₂O

± 0.05 % FS

2.0 cmH₂O

^{***)} Full Scale

Communicating with Diver®

Hardware

Reading Diver data

There are different options to install Divers in the field or to read out Diver data in the field or the office environment:

If the Diver is installed in the borehole with use of a standard stainless steel or Vectran (non-corrodible) cable, the Diver has to be removed from the borehole to read out the data. The Diver is connected to the computer using a special reading unit.

Next to the standard stainless steel cable used to install a Diver in a borehole, the Diver Data Cable is the other option. With this cable the Diver can be connected to the top of the borehole. This allows reading out the Divers' memory changes without removing the Diver from the well. Diver Data Cables are available in standard lengths for attachment to any Diver type, even up to 200 m length. To connect a laptop PC or the Pocket PC to the wellhead, a 1.5 m interface cable is quickly attached. This allows downloading and / or programming in the field.

Diver-Mate

Plug-in, download and store data right in the field. Diver-Mate is a simple storage device that connects directly to Diver Data Cables. It is cost-effective and minimizes the need for carrying laptops into the field. Because of the MiniSD Card (512 MB) Diver-Mate stores almost an unlimited number of full Diver memory reads. The instrument is powered by an internal rechargeable battery (charge by USB port), with time to read more than 500 Divers.





Software

Diver-Pocket (Reader / Manager)

This Personal Digital Assistant (PDA) software package can be used on a PocketPC for programming Divers and reading stored measurements. Diver-Pocket comes in two variants: 'Diver-Pocket Reader' enables you to read data, while 'Diver-Pocket Manager' also includes the Diver programming facility. For this purpose, the Divers must be connected to a Reading Unit or through an interface cable to the Diver Data Cable.

Requirements: Windows Mobile 2002 or 2003 or Windows Mobile 5, USB Host CF Card.

Diver-Office

Read-out and program multiple Diver dataloggers in the office and prepare your data for advanced analysis using the Waterloo Hydrogeologic modeling software. Diver-Office simplifies readout and programming of the Diver in the office. Built-in features include CTD-Diver Calibration Wizard and Barometric Compensation Wizard. With Diver-Office you can export to various file formats for advanced analysis (e.g. CSV, MON, NITG, etc.)

Requirements: Windows 2000, XP and Vista, USB port.

