

Diver-Mate

Straightforward data collection

The Diver-Mate is designed for simple and fast download of Diver groundwater data, increasing download efficiency while reducing data transfer errors.

A MDC cable is used for connecting it to the Diver. Equipped with Bluetooth, it offers a wealth of possibilities for forwarding data, cloud storage and assessing the status of the well.

The Diver-App^{*}/^{**} will enable field workers to compare real-time Diver measurements with manual measurement results for data validation. The Diver-Mate also shows the MDC cable signal quality and the Diver data download progress if Diver and cable are working correctly.

With 16 GB non-volatile memory drive, the Diver-Mate has more than sufficient capacity to store the data of thousands of Divers. Connect the Diver-Mate to your laptop using the supplied USB-C cable. The collected field data can easily be imported by Diver-Office for further processing.

The files on the Diver-Mate can also be accessed through Windows File Explorer like any USB flash drive.

Features & Benefits

- Fits well in palm of your hand: Convenient use at the well, lower risk of dropping when wearing gloves.
- 16 GB memory card included: Sufficient storage space for large monitoring networks.
- Built-in battery, rechargeable through USB-C: Easy charge anywhere.
- Equipped with 6 multicolor LEDs: Status update on all components and functions - Diver, cable, memory, battery, USB, Bluetooth.
- Equipped with motion detector: Gives status update when picked up.
- Equipped with Bluetooth radio: Wireless connection to smartphone^{*}
- Works seamlessly with new Diver-App^{**}: Download Diver data to your smartphone, upload data to ftp-server or send by email, assess well status.
- Equipped with USB-C connector: Compatible with the latest USB technology and USB devices.

^{*} Smartphones with Android Operating System. iOS implementation scheduled for later 2021.

^{**} Diver-App expected early 2021.



Technical specifications

Housing	
Dimensions	79 mm x 132 mm x 24 mm (WxLxH)
Weight	~152 grams
Housing	ABS
Protection classification	IP 41

Connections	
Diver cable	MDC cable 111150nn available in various standard lengths
Compatible Diver models	TD-Diver, Mini-Diver, Micro-Diver, Cera-Diver, CTD-Diver
Computer	USB-C
Smartphone	Bluetooth Smart (version 4.2)

Indicators	
Bluetooth	Connected, data transfer
Battery	Capacity, charging
USB	Connected
Memory	OK, error
Communication cable	Connected
Data downloading	Finished, busy, error

Other	
Memory	16 GB
Battery	Rechargeable Lithium Polymer 3.7V, 2.4Ah/8.88Wh (IEC 62133-2:2017 compliant)
Battery life	10 days (single charge, dependent on usage)
Operating temperature	-20 ... 60 °C
Storage temperature	0 ... 30 °C

Barometric pressure sensor	
Range	400 to 1100 cmH ₂ O
Accuracy*	±2.0 cmH ₂ O
Resolution	0.06 cmH ₂ O

* Maximum over temperature range -20 to 60 °C

Diver-Mate

Bluetooth

- Connected to phone
- ⦿ Transferring Diver data to phone

Battery

- 100...80 %
- ⦿ 40...80 %
- ⦿ Less than 40 %
- Charging

USB

- Connected to PC
- ⦿ Connecting

Memory

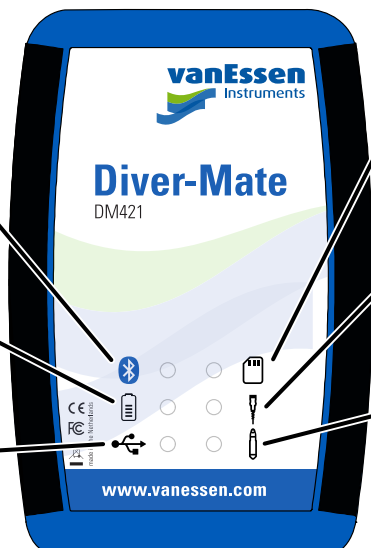
- OK
- Error

DXT Cable Signal Quality

- Good
- ⦿ Fair

Diver Data Download

- Finished
- ⦿ Busy
- Error



USB-C connector

Plug the Diver-Mate into a PC or power bank for charging

DXT Cable connector