REMOTE WATER LEVEL MONITORING

vanEssen Instruments

ÉQUIPEMENT ENVIRONNEMENTAL TERRA INC

Diver-NETZ

CONTROL YOUR DATA IN
3 STEPS

Diver-NETZ is a complete wireless system for effectively and efficiently managing ground and surface water monitoring networks. The system streamlines workflows, increases data quality and lowers operational costs. By providing a seamless platform for data monitoring, transmission and analysis, Diver-NETZ is an essential tool for every water monitoring project.

Monitor
Diver dataloggers monitor water level, temperature and electrical conductivity for surface water or groundwater. Cost-effective and reliable, Diver dataloggers provide accurate and reliable long-term measurements.

Transmit
The Diver connects by cable to a Diver-DXT, a small battery powered device installed at the surface. The Diver-DXT wirelessly transmits data to the Diver-Gate, a low-power portable gateway that communicates either with your mobile device in the field, or directly with a server in the cloud.

Analyze
Diver-NETZ data is managed and analyzed using the easy to use, free desktop application Diver-Office. Your data can also be accessed from anywhere in the world via the secure online Diver-HUB web portal.

- **Maximize data quality**
- **Reduce operating costs**
- **Near real-time insight**

Overview

Diver-NETZ Mobile provides for wireless groundwater data collection in the field, from single wells or from multiple wells simultaneously. Groundwater professionals will experience time savings of up to 85% for collecting groundwater data.

Monitor

The Diver-NETZ system can be configured in the office or in the field. This simple configuration consists of connecting the Diver datalogger to the Diver DXT and programming it using Diver-Office software. Once deployed on site, the Diver datalogger monitors water level, temperature and optionally electrical conductivity, while the Diver-DXT's built-in barometric datalogger captures atmospheric pressure readings (for accurate calculation of groundwater levels).

Transmit

Data collection is easily carried out in the field using a Diver-Gate(M) connected to a mobile device, tablet or laptop computer. Data can be wirelessly downloaded from any Diver-DXT within range, providing for safe data collection at almost any site, including restricted areas or where wildlife or environmental hazards may pose a safety risk. In addition, field data can be automatically transferred to the office using the mobile device's wireless capabilities.

Analyze

Field staff can immediately verify data on site using Diver-Mobile software. Once the collected data is transferred to the office it can be validated and analyzed using user-friendly Diver desktop software and/or the secure online portal Diver-HUB.

- Diver dataloggers
- Diver-DXT and DXT cable
- Diver-Gate(M)
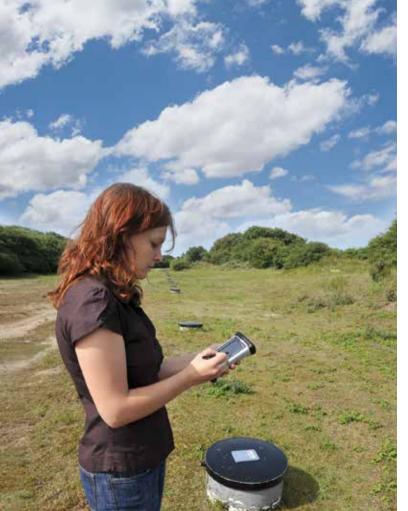- Diver-Mobile / Diver-Office
- Diver-HUB online portal

Diver-NETZ Mobile

Wireless Data Collection in the Field

85% TIME SAVINGS

Traditional Data Collection

Save time
Safely collect data
Simple installation
Deploy anywhere

Overview

Diver-NETZ Static provides off site access to near real-time groundwater conditions and equipment status for proactive groundwater resource management. In addition to supplying superior data access, Diver-NETZ(S) significantly reduces operating costs by eliminating unnecessary site visits. Capital expenditure savings can also be realized for high density monitoring networks by deploying a single gateway for multiple monitoring points.

- Diver dataloggers
- Diver-DXT and DXT-cable
- Diver-Gate(S)
- Diver-HUB online portal

Monitor

The Diver-NETZ system can be configured in the office or in the field. This simple configuration consists of connecting the Diver datalogger to the Diver DXT and programming it using Diver-Office software. Once deployed on site, the Diver groundwater datalogger monitors water level, temperature and optionally electrical conductivity, while the Diver-DXT's built-in barometric datalogger captures atmospheric pressure readings (for accurate calculation of groundwater levels).

Transmit

Off site data collection is carried out using aDiver-Gate(S) installed on site within radio range of one or more Diver-DXTs. The Diver-Gate(S) contains a radio module to communicate with Diver-DXTs, and a GSM/GPRS module to communicate with the Diver-HUB. The Diver-Gate(S) is programmed to collect data from the Diver-DXTs at a scheduled interval and transmit the data to the Diver-HUB.

Analyze

The Diver-HUB is a secure online portal that allows groundwater professionals to access and visualize groundwater data from anywhere in the world. The Diver-HUB not only provides capacity to view the transmitted data, it also provides the ability to control and program the Diver components in the field.

Diver-NETZ Static 🗼

Manage Equipment and Data Remotely

100% DATA QUALITY

Save time
Safely collect data
Simple installation
Deploy anywhere

SMART REMOTE MONITORING

- **Maximize data quality**
- **Reduce operating costs**
- **Near real-time insight**

Van Essen Instruments
offers a complete portfolio of groundwater monitoring technologies, as well as expert advice concerning groundwater monitoring networks. We combine reliable and accurate sensors with the latest developments in wireless communication and data visualization. Van Essen Instruments not only provides you with high-quality groundwater data, but we also offer advanced solutions for more effective and efficient management of groundwater monitoring networks.

www.vanessen.com
www.terraquip.ca

Divers
The Diver-Suite from Van Essen Instruments provides a robust line of Diver dataloggers for groundwater and environmental professionals. Diver dataloggers accurately measure and record fluctuations in groundwater levels, temperature and conductivity.

Diver-DXT
The Diver-DXT is a battery powered radio device to acquire data and adjust Diver settings wirelessly from the Diver to the Diver-Gate. A built-in barometric datalogger is used to convert pressure data into accurate groundwater levels.

Diver-Gate
The Diver-Gate is a low-power device that communicates wirelessly with the Diver-DXT to retrieve data from Diver dataloggers. Collected data is then transferred automatically to your mobile device or to the office.

Diver Software
Diver-NETZ data can be easily imported and analyzed using Diver-Office software, or visualized from anywhere in the world using the Diver-HUB secure online portal.

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