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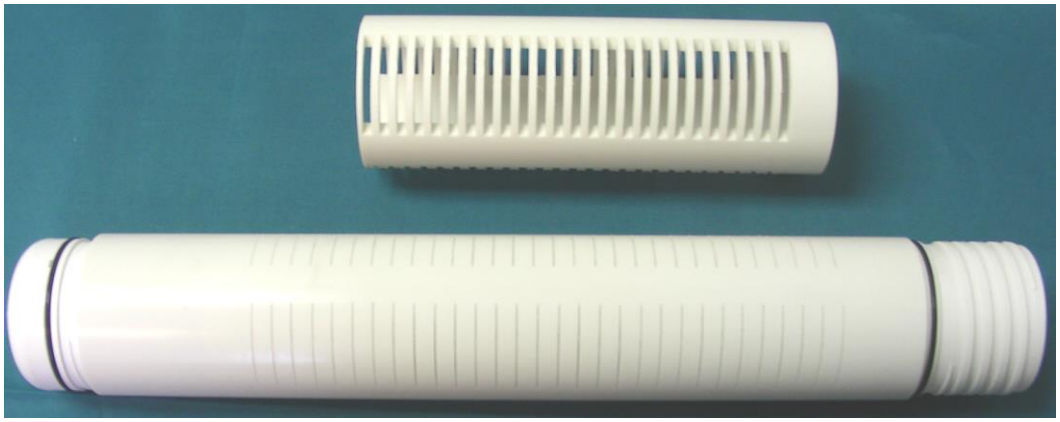
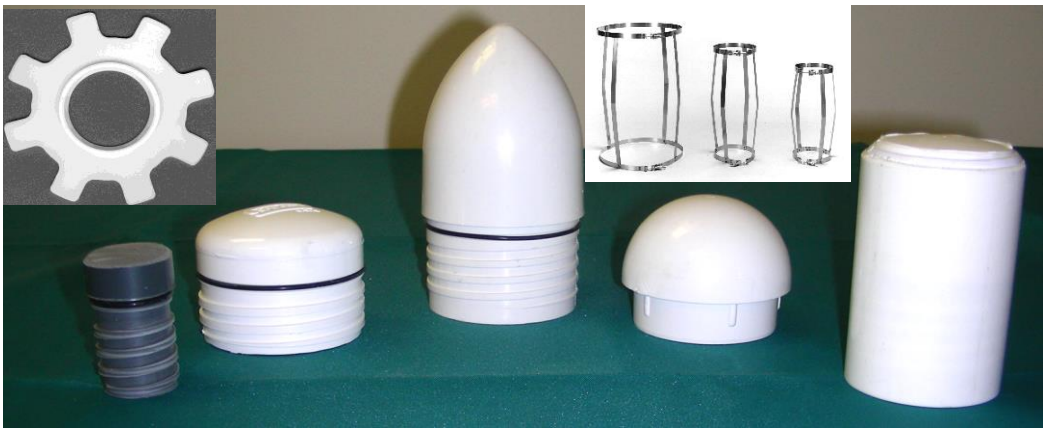


SCREEN SYSTEM ACCESSORIES



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Typical Chemical Analysis		
Element Compound	Not Magnetically Seperated	Magnetically Seperated
SiO_2	99.6	99.75
Al_2O_3	0.2	0.1
Fe_2O_3	0.06	0.02
TiO_2	0.02	ND-Trace
CaO	<0.01	<0.01
MgO	<0.01	<0.01
K_2O	<0.01	<0.01
Na_2O	<0.01	<0.01
LOI	0.1 Max	0.1 Max
Acid Demand	<1	<1
Specific Gravity	2.64	2.64

TYPICAL SIZE ANALYSIS

US SIEVE SIZE		% RETAINED							
#	mm	3/4 x 1/2	1/2 x 1/4	1/4 x 1/8	#3	#2	#1	#0	#00
1.0"	25								
3/4"	19								
5/8"	16	22,4							
1/2"	12,5	52,2	17,6						
7/16"	11,2	18,9	29,1						
3/8"	9,5	5,7	30,1						
5/16"	8		11,9						
1/4"	6,3		8,8	5,8					
4	4,75		1,9	57,6					
5	4,000			30,9					
6	3,350			4,4	0,8				
8	2,360			1,1	64,9	4,9			
10	2,000				13,9	46,5			
12	1,700				8,1	42,3	0,9		
14	1,400				7,1	4,7	28,2		
16	1,180				3,4	0,7	36,9		
18	1,000				1,2	0,2	19,6	6,7	
20	0,850						6,5	19	
30	0,600						5,3	43,5	
35	0,500						1,1	17,3	
40	0,425						0,4	7,6	4,5
50	0,300						0,7	4,5	34,7
60	0,250							0,7	15,3
70	0,212								10,1
80	0,180								9,9
100	0,150								11
140	0,106								11,2
200	0,075								2,8
270	0,053								
PAN		0,8	0,6	0,2	0,6	0,7	0,4	0,7	0,5

GENERAL EQUIPMENTS

ALL TYPE OF VALVES
PVC - STAINLESS - BRASS - CPVC- POLYPROPYLENE

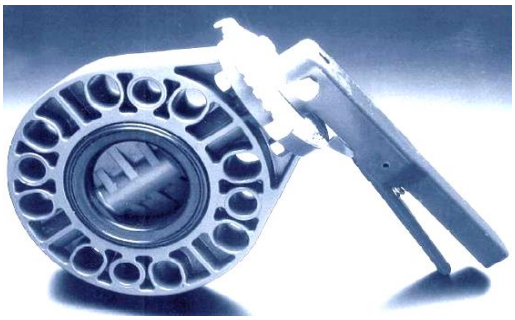
ECONOMIC

THREE WAYS

TRUE UNIONS

REPLACEMENT FOR TOTE

GAZ COMPLIANT



BUTTEFLY

BIOGAZ WELL SAMPLING PLUG

BRASS

POLYPROPYLENE

ALUMINIUM

STAINLESS

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HERON INSTRUMENTS INC.

WATER LEVEL METERS and more...

dipper-T

Four Function Water Level Meter

The dipper-T, a **multi-functional** instrument able to measure **static** and **falling** head levels, can be conveniently converted to determine the full **well depth** and **length of steel casing**. The water level sensing probe is easily removed at the link connection and substituted with either the Well Depth Indicator Probe or Well Casing Indicator Probe.

AVAILABLE IN 3 DIFFERENT OPTIONS:

1. dipper-T with Well Depth & Well Casing Indicator Probes
2. dipper-T with Well Depth Indicator Probe
3. dipper-T with Well Casing Indicator Probe

dipper-T2

Static & drawDown Levels

Don't require interchangeable probes? We have added the **NEW** dipper-T2 with a NON-removable probe to our product line. The unit is capable of measuring both **static** and **falling head** levels.

The dual function, **static** and **drawDown**, allows the user to easily switch from measuring depth of water in wells, boreholes and standpipes to measuring **falling** head levels during purging and well development.

Renowned for its **premium**, **polyethylene** coated yellow steel tape accuracy and fully pressure rated probe*, the dipper-T2 is an excellent tool for any project!

water tape2

Static & drawDown Levels

The **NEW** water tape2 is a cost effective choice that can **NOW** accurately measure both **static** and **falling** head levels in wells, boreholes or standpipes. The water tape2 indicates **static** and **drawDown** levels with both a visual and auditory signal ensuring accuracy in your measurements. This **dual function** meter is ideal for every project and budget.

The water tape2 is manufactured with white **polyethylene** tape, reinforced with **Kevlar**. Unlike some other white tape units on the market, the water tape2 comes with a fully pressure rated probe* and carry bag.

little dipper2

Static & drawDown Levels

Designed with portability in mind, the compact little dipper2 water level meter is used to measure both **static** and **falling** head levels in wells and boreholes. A padded carry case comes included, but it's small enough to be stowed in a backpack.

In order to meet our client's needs, **Heron** is **NOW** manufacturing the little dipper2 with a shorter probe, making it easier to guide the probe down angled wells.

Available in 3 metric lengths (15m, 22m, 30m) and 3 engineering scale lengths (50ft, 75ft, 100ft); the little dipper2 is able to reach varying depths, while still maintaining the compact size!

dipper-Tough

Static & drawDown Levels

The rugged dipper-Tough is a top quality instrument used for measuring **static** and **falling** head levels in waste disposal, remediation sites and other harsh environments. The **drawDown** feature on the dipper-Tough makes this unit ideal to use during pump and treat testing when contaminates are found in the groundwater.

The hydrocarbon resistant, **Kynar** coated, high tensile steel core tape is embedded directly into the probe body, allowing for longer life of the tape and probe.

SKINNY DIPPER

Static Levels

Made with a **1/4" tape** and **1/4" probe**, the SKINNY DIPPER water level meter is designed for **narrow** wells, boreholes, tubes and piezometers. The probe, with beaded weights, enables the SKINNY DIPPER to quickly and accurately measure **static** level, with a visual and audible signal when water is detected.

The **1/4" polyethylene tape** is available in metric (mm) or engineering scale (1/100ft) with easy to read black and red graduations. The SKINNY DIPPER comes complete with a padded carry case.

SELECTION GUIDE	STATIC LEVELS	FALLING HEAD LEVELS	WELL DEPTH INDICATOR	WELL CASING INDICATOR	INTERFACE LEVELS (LNAPL & DNAPL)	CONDUCTIVITY LEVELS UP TO 80,000µS	TEMPERATURE LEVELS	ELECTRONIC SENSOR DISPLAY FUNCTION
 dipper-T	●	●	●	●				Audio Visual Sensitivity Control
 dipper-T2	●	●						Audio Visual Sensitivity Control
 water tape2	●	●						Audio Visual Sensitivity Control
 little dipper2	●	●						Audio Visual Sensitivity Control
 dipper-Tough	●	●						Audio Visual Sensitivity Control
 SKINNY DIPPER	●							Audio Visual Sensitivity Control
 H.OIL	●				●			Audio Visual
 Sm.OIL	●				●			Audio Visual
 dipper-Temp - 110 dipper-Temp - 80	●						110°C 80°C	Audio Visual LCD Display
 conductivity plus	●					●	50°C	Audio Visual LCD Display
 dipper-Tag								Acoustically

Hanger - to support the meter on the side of the casing.

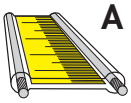
Tape Guide - to protect your tape from sharp edges on the casing (N/A **little dipper2** & **Sm.OIL**).

Inverted Triangle - on back of probe holder, serves as datum point indicating "top of casing".

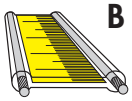
**Option must be ordered at time of manufacturing.

FULLY PRESSURE RATED PROBE (temporary submersion*)	FIELD REPLACEABLE PROBE	3/8" NARROW PROBE OPTION AVAILABLE**	LEVEL WIND OPTION AVAILABLE**	TAPE	TAPE LENGTHS (longer lengths are available)	• PADDED CARRY CASE ◆ CLOTH CARRY BAG	WARRANTY FOR MANUFACTURER DEFECT (see manual for details)
●	●		●	A	15m - 300m 50ft - 1000ft	●	5 Years Probes 1 Year
●		●	●	A	15m - 600m 50ft - 2000ft	●	5 Years Probe 1 Year
●		●		C	30m - 450m 100ft - 1500ft	◆	5 Years Probe 1 Year
●		●		A	15m - 30m 50ft - 100ft	●	5 Years Probe 1 Year
●		●	●	B	15m - 150m 50ft - 500ft	●	5 Years Probe N/A
Pressure Rated to 100m/300ft for 20 Minutes				D	30m - 150m 100ft - 500ft	●	5 Years Probe 1 Year
●	●			B	15m - 150m 50ft - 500ft	●	5 Years Probe 1 Year
●	●			B	20m 60ft	●	5 Years Probe 1 Year
●	●		●	B A	30m - 150m 100ft - 500ft	●	3 Years Probe 1 Year
●	●		●	A	30m - 300m 100ft - 1000ft	●	3 Years Probe 1 Year
Weighted Plopper				E	150m 500ft	◆	3 Years Probe N/A

Tapes - Markings in metric or engineering scale (1/100ft).
- **Dog Bone Section** to help eliminate sticking to the side of the casing (N/A **SKINNY DIPPER** [D]).
- 7 strand s/s conductors (N/A **dipper-Tag** [E]).



A **ASME-Certified** – High tensile steel tape, jacketed with **polyethylene**, high break strength, stretch resistant and lifelong legibility



B **ASME-Certified** – High tensile steel tape, jacketed with heat and hydrocarbon resistant **Kynar**, high break strength, stretch resistant and lifelong legibility

C White **polyethylene** tape, reinforced with stretch resistant **Kevlar**

D 1/4" white **polyethylene** tape with s/s conductors, oval shape, comparative to coaxial cable

E White **polyethylene** tape reinforced with **Kevlar** in three areas for added strength

OIL/WATER INTERFACE METERS
TEMPERATURE METERS | CONDUCTIVITY METERS | TAG LINES

H.0IL
Interface & Static Levels

The **H.0IL** oil/water interface meter is used to measure the **interface levels** between two liquids in the same tank, vessel, well or aquifer. The sensing probe can easily detect floating product (**LNAPL**), sinking product (**DNAPL**) and water with a different audio and visual signal.

The hydrocarbon resistant, **Kynar** jacketed, high tensile steel core tape is able to withstand solvents and other harsh contaminants.

The **CSA Intrinsically Safe Certification with Class I, Groups A, B, C and D in Zones 0 & 1**, makes the **H.0IL** ideal for use in hazardous environments by Oil & Gas, Chemical and Petrochemical Industries.

Sm.0IL
Interface & Static Levels

The compact **Sm.0IL** interface meter, used to measure both **static** and **interface levels**, is available in one metric (20m) and one engineering scale (60ft) length. The dissimilar density of two liquids means the lower density, non conductive product (**LNAPL**) will float on top of the higher density, conductive liquid (water).

Denser products will tend to sink (**DNAPL**), creating a layer under the water.

The **CSA Intrinsically Safe Certification with Class I, Groups A, B, C and D** makes the **Sm.0IL** ideal for use in hazardous environments.

dipper-Temp - 110 or dipper-Temp - 80
Temperature & Static Levels

The **dipper-Temp**, **temperature** meter is ideal for profiling **temperature** and **static** water levels in wells, boreholes, standpipes, lakes and rivers. The **dipper-Temp** is available with 2 different tape coatings:

The high accuracy sensor probe on the **dipper-Temp - 110** allows for **temperature** profiling up to **110˚C.** The heat resistant **Kynar** jacketed measuring tape is able to withstand hydrocarbons, solvents and other harsh contaminants.

The more economical **polyethylene** jacketed tape on the **dipper-Temp - 80** is used for lower **temperature** profiling, up to **80˚C**. The markings are under the coating for long term readability.

conductivity plus
Conductivity, Temperature & Static Levels

The **conductivity plus** is ideal for measuring **conductivity**, **temperature** and **static** water levels in wells, boreholes, standpipes and estuaries where salt water intrusion and contamination levels become a concern. The LCD screen, accurately displays **conductivity** up to **80,000µS** (using 1413 µS solution) and **temperatures** to **50˚C** with a one minute response time.

Conductivity can be an indication of changes in a water system due to fluctuations of salinity in the water. When well profiling is not required, the **conductivity plus** is an excellent tool for **early** detection of threats to a water system before intrusion becomes a factor.

dipper-Tag
Tag Line Plus

The economical **dipper-Tag** is a **multi-purpose** unit designed for use when installing or monitoring wells.

The 316 grade s/s weighted **plopper** that comes with the **dipper-Tag** can be used for measuring to the bottom of a well, or the depth to the top of a bentonite layer or backfill sand. The **plopper** can also be used to measure to the top of the water level acoustically.

The spring release clip allows the user to exchange the **plopper** to other available accessories such as a **Heron dipperLog** or a third party bailer.

DON'T SEE IT HERE? ASK US!

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- 4-20mA
- Borehole Inspection Cameras
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WATERLEVEL AND INTERFACE METER

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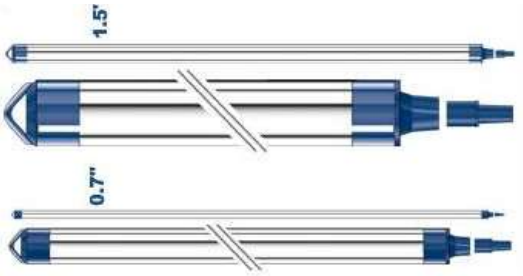

waterra waterra waterra waterra

HYDROLIFT

SUBMESIBLE PUMPS

POWER LIFT

ACTUATOR

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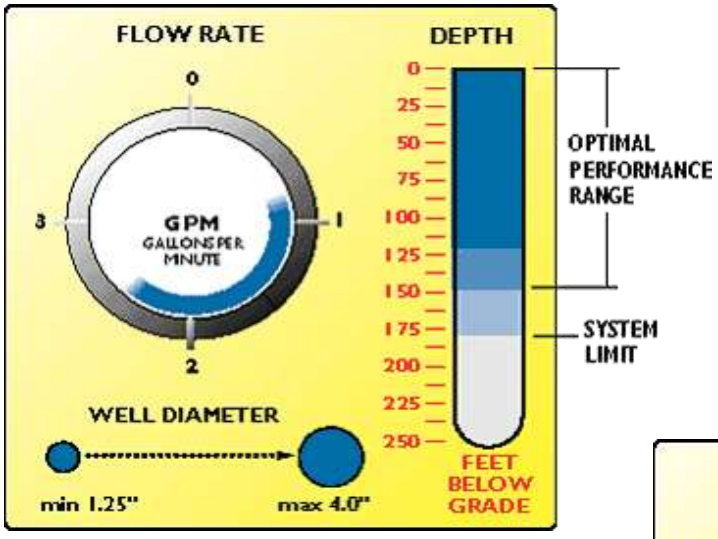
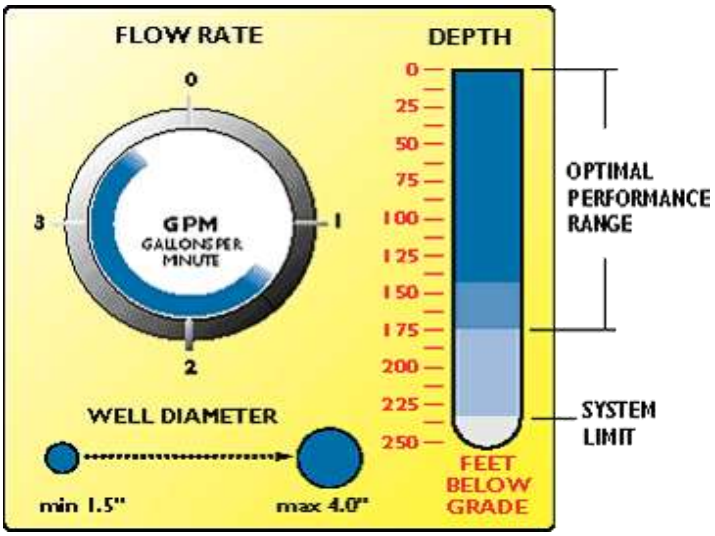
WATERRA INERTIAL PUMPS

SEDIMENT FILTER





WATER LEVEL DATALOGGERS

vanEssen Instruments

TD-Diver

Superior Long-term Performance

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 Specification

Length	110 mm
Diameter	22 mm
Weight	104 grams
Memory	72,000 measurements with backup; continuous and fixed length memory
Wetted parts	
housing	stainless steel 316L
o-rings	Viton ®
pressure sensor	piezoresistive ceramic
cap / nose cone	Nylon PA6 30% glass fiber / ABS
Battery life	up to 10 years (dependent on usage)
Sample interval	½ second to 99 hours
Sample methods	fixed

Temperature

Range	-20 to 80	°C
Calibrated	0 to 50	°C
Accuracy+	± 0.1	°C
Resolution	0.01	°C

Pressure

Part number	DI 801	DI 802	DI 805	DI 810	
Range	10	20	50	100	mH_2O
Accuracy+	± 0.5	± 1.0	± 2.5	± 5.0	cmH_2O
Resolution	0.06	0.09	0.19	0.36	cmH_2O

+typical accuracy

- Long-term groundwater monitoring
- Watershed and recharge area monitoring
- Storm water discharge

Baro-Diver

Reference of Choice

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 Specification

Length	110 mm
Diameter	22 mm
Weight	104 grams
Memory	72,000 measurements with backup; continuous and fixed length memory
Wetted parts	
housing	stainless steel 316L
o-rings	Viton ®
pressure sensor	piezoresistive ceramic
cap / nose cone	Nylon PA6 30% glass fiber / ABS
Battery life	up to 10 years (dependent on usage)
Sample interval	½ second to 99 hours
Sample methods	fixed

Temperature

Range	-20 to 80	°C
Calibrated	-10 to 50	°C
Accuracy+	± 0.1	°C
Resolution	0.01	°C

Pressure

Part number	**DI 800**	
Range	1.5	mH_2O
Accuracy+	± 0.5	cmH_2O
Resolution	0.03	cmH_2O

+typical accuracy

- **Atmospheric pressure**
- **Wetlands monitoring**
- **Flood management**

Micro-Diver

Compact Size

Measuring only 88 mm in length and 18 mm in diameter, the Micro-Diver is the smallest Diver capable of accurately recording groundwater levels and temperature.

The Micro-Diver is specifically designed for monitoring wells or drive-points too small to accommodate larger dataloggers.

In addition to its compact size, the Micro-Diver's memory capacity can store up to 48,000 measurements per parameter - almost one measurement every ten minutes for an entire year.

Technical Specification

Length	88 mm
Diameter	18 mm
Weight	45 grams
Memory	48,000 measurements; fixed length memory
Wetted parts	
housing	stainless steel 316L
o-rings	Viton ®
pressure sensor	piezoresistive ceramic
cap / nose cone	Nylon PA6 30% glass fiber / ABS
Battery life	up to 10 years (dependent on usage)
Sample interval	½ second to 99 hours
Sample methods	fixed, event dependent, averaging, and pumping test

Temperature

Range	-20 to 80	°C
Calibrated	0 to 50	°C
Accuracy+	± 0.1	°C
Resolution	0.01	°C

Pressure

Part number	DI 601	DI 602	DI 605	DI 610
Range	10	20	50	100 mH_2O
Accuracy+	± 1.0	± 2.0	± 5.0	±10.0 cmH_2O
Resolution	0.06	0.09	0.19	0.36 cmH_2O

+typical accuracy

- **Engineering and construction**
- **Shallow water monitoring**
- **Aquifer characterization**

Cera-Diver

Corrosion Proof

Monitoring groundwater under potentially corrosive conditions, such as brackish water and seawater, requires a robust and durable datalogger.

The ceramic-shelled Cera-Diver is designed specifically for such environments. This highly reliable and compact Diver measures groundwater levels with a typical accuracy of ±0.05% full scale.

The Cera-Diver is equipped with a memory for 48,000 measurements per parameter.

Technical Specification

Length	90 mm
Diameter	22 mm
Weight	50 grams
Memory	48,000 measurements; fixed length memory
Wetted parts	
housing	ceramic (ZrO_2)
o-rings	Viton ®
pressure sensor	piezoresistive ceramic
cap / nose cone	Nylon PA6 30% glass fiber / ABS
Battery life	up to 10 years (dependent on usage)
Sample interval	½ second to 99 hours
Sample methods	fixed, event dependent, averaging, and pumping test

Temperature

Range	-20 to 80	°C
Calibrated	0 to 50	°C
Accuracy[+]	± 0.1	°C
Resolution	0.01	°C

Pressure

Part number	DI 701	DI 702	DI 705	DI 710	
Range	10	20	50	100	mH_2O
Accuracy[+]	± 0.5	± 1.0	± 2.5	± 5.0	cmH_2O
Resolution	0.06	0.09	0.19	0.36	cmH_2O

[+] typical accuracy

- Estuary monitoring
- Heap leach
- Underground plume monitoring

CTD-Diver

3 Parameters in 1 Housing

Where there is a need to monitor groundwater levels and saltwater intrusion, injected wastewater, or contamination from chemical discharges and landfill sites, the CTD-Diver with its rugged, corrosion proof ceramic housing, is the instrument of choice.

The CTD-Diver is equipped with a four-electrode conductivity sensor that measures electrical conductivity from 0 to 120 mS/cm. There are two options for measuring conductivity: true or specific conductivity at 25 °C. Additionally, pressure and temperature are measured and recorded.

Technical Specification

Length	135 mm
Diameter	22 mm
Weight	95 grams
Memory	48,000 measurements; fixed length memory
Wetted parts	
housing	ceramic (ZrO_2)
conductivity sensor housing	ceramic (ZrO_2)
conductivity sensor	platinum electrodes on ceramic (Al_2O_3) carrier
o-rings	Viton ®
pressure sensor	piezoresistive ceramic
cap / nose cone	Nylon PA6 30% glass fiber / ABS
Battery life	up to 10 years (dependent on usage)
Sample interval	1 second to 99 hours
Sample methods	fixed, event dependent, averaging, and pumping test

Temperature

Range	-20 to 80	°C
Calibrated	0 to 50	°C
Accuracy+	± 0.1	°C
Resolution	0.01	°C

Conductivity

Range 1	0 to 120	mS/cm
Range 2	0 to 30	mS/cm
Accuracy+	± 1%	of reading
Resolution	0.1%	of reading

Pressure

Part number	DI 271	DI 272	DI 273	
Range	10	50	100	mH_2O
Accuracy+	± 0.5	± 2.5	± 5.0	cmH_2O
Resolution	0.06	0.19	0.36	cmH_2O

+typical accuracy

- **Mine tailings**
- **Pollution monitoring**
- **Water quality monitoring**

SMART MONITORING TECHNOLOGY

- **Urban water management**
- **Water resources management**
- **Mining**
- **Surface water**
- **Remediation**

Van Essen Instruments
offers a complete portfolio with regards to technology as well as advice in the field of groundwater monitoring networks.
Reliable and accurate sensors are being combined with the latest developments in the field of wireless communication and data visualization. Van Essen Instruments not only offers high-quality groundwater data but also solutions to manage a groundwater monitoring network more effective and efficient.

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

Suitable for Any Environment
From the technologically advanced TD-Diver to the corrosion resistant CTD-Diver, Diver dataloggers are hermetically sealed to external influences. Electrical and/or environmental effects cannot affect the measurement results. With an extended battery life up to 10 years, this translates to long-term uninterrupted service.
Divers can be used from 300 meters below to 5,000 meters above sea level without the need to reprogram the datalogger.
All Divers operate from -20 to 80 °C.

Accurate Measurements
Divers monitor groundwater pressure with a typical accuracy of ±0.05% full scale range from 0 to 50 °C. The CTD-Diver is equipped with a four-electrode sensor for recording conductivity with an accuracy of ±1% of reading.

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NOVA METRIX

REMOTE WATER LEVEL MONITORING

vanEssen Instruments

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

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.

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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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NOVA METRIX