



**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 contaminants 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
 <b>dipper-T</b>	●	●	●	●				Audio Visual Sensitivity Control
 <b>dipper-T2</b>	●	●						Audio Visual Sensitivity Control
 <b>water tape2</b>	●	●						Audio Visual Sensitivity Control
 <b>little dipper2</b>	●	●						Audio Visual Sensitivity Control
 <b>dipper-Tough</b>	●	●						Audio Visual Sensitivity Control
 <b>SKINNY DIPPER</b>	●							Audio Visual Sensitivity Control
 <b>H.OIL</b>	●				●			Audio Visual
 <b>Sm.OIL</b>	●				●			Audio Visual
 <b>dipper-Temp - 110</b> <b>dipper-Temp - 80</b>	●						110°C	Audio Visual LCD Display
							80°C	
 <b>conductivity plus</b>	●					●	50°C	Audio Visual LCD Display
 <b>dipper-Tag</b>								Acoustically



**Hanger**

**Tape Guide**

**Inverted Triangle**

- to support the meter on the side of the casing.
  - to protect your tape from sharp edges on the casing (N/A **little dipper2** & **Sm.OIL**).
  - on back of probe holder, serves as datum point indicating "top of casing".
- \*\*Option must be ordered at time of manufacturing.



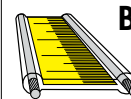
FULLY PRESSURE RATED PROBE (temporary submersion*)	FIELD REPLACEABLE PROBE	3/8" NARROW PROBE OPTION AVAILABLE**	LEVEL WIND OPTION AVAILABLE**	TAPE	TAPE LENGTHS (longer lengths are available)	<ul style="list-style-type: none"> <li>● PADDED CARRY CASE</li> <li>◆ CLOTH CARRY BAG</li> </ul>	WARRANTY FOR 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 1 Year
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.OIL Interface & Static Levels

The **H.OIL** 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.OIL** ideal for use in hazardous environments by Oil & Gas, Chemical and Petrochemical Industries.



## Sm.OIL Interface & Static Levels

The compact **Sm.OIL** 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.OIL** 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!**

### HERON ALSO MANUFACTURES:

- Data Loggers
- Vented Loggers
- 4-20mA
- Borehole Inspection Cameras
- Custom Units/Projects

### HERON INSTRUMENTS INC.

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