

WATER LEVEL METERS / BOREHOLE INSPECTION CAMERAS / DATA LOGGERS

BENOIT

INSUMOS INDUSTRIALES

30 years

**OF GROUNDWATER
MONITORING EQUIPMENT**



2025
Product Catalogue

WWW.HERONINSTRUMENTS.COM

Coming Soon ...

FOR
LANDFILL
SITES



For more information and details
contact us at
info@heroninstruments.com

PFAS FREE

**MOST METERS NOW
PFAS FREE!**

SEE SERIES

**1100, 1200, 1300,
1500, 1700, 1800,
1900 &
optional 1600**



Well Belt

**Secure your unit to the well
for EASY Rewind**



**Electronic Panel
with Volume Control**



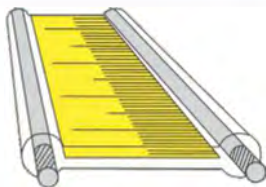
TAPE MARKER

**Safely know when your probe is
approaching**



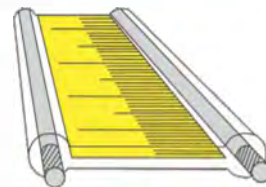
A - Premium Accuracy/Quality Polyethylene

- **ASME-Certified**
- High tensile **steel core tape**
- **Polyethylene Coating**
- High break strength
- Stretch resistant
- Lifelong legibility
- Dog bone Profile



B - Premium Accuracy/Quality Kynar™

- **ASME-Certified**
- High tensile **steel core tape**
- **Kynar™ Coating** (+Chemical Resistance)
- High break strength
- Stretch resistant
- Lifelong legibility
- Dog bone Profile



(A, B) Heron Instruments stainless steel core, polymer jacketed tape is certified to the following ASME and Military standards:

ASME B89. 1.7-2009 Certified
MIL-STD-45662A Certified
Certification transferred to ISO 10012-2003 in 20151

(A, B) Heron Instruments stainless steel core, polymer jacketed tape is compliant with the following standards:

FED GGG-T-106F Compliant
EEC Class II Compliant
USGG-T-106F Compliant

Water Level Meters




(Series 1100, 1200, 1300, 1400, 1500, 1900, 4000)

Our water level meters are designed for well drillers, consultants, hydrogeologists and other groundwater professionals who require the most accurate measurements for their projects.

Heron water level meters are manufactured to be modular for easy cleaning and servicing. Each meter comes with a rugged protective case to store and easily transport your instrument.

ALL tapes marked in engineering scale (1/100') or metric (mm, cm).

Water Level Meter Selection Chart							
	dipper-T (Series 1100)	dipper-T2 (Series 1200)	LongLiner (Series 4000)	dipper-Tough (Series 1400)	Water Tape (Series 1900)	SKINNY DIPPER (Series 1300)	dipper-Tag (Series 1500)
Static Levels	✓	✓	✓	✓	✓	✓	
Drawdown	✓	✓	✓	✓	✓	✓	
Fully Pressure Rated Probe	✓	✓	✓	✓	✓		✓
PFAS Free	✓	✓	✓		✓	✓	✓
3/8" Probe Option		Optional	Optional	Optional	Optional		
Detachable Probe	✓	✓	Optional		✓		✓
Well Depth Indicator Probe (option)	✓		✓				
Steel Casing Indicator Probe (option)	✓		✓				
Motorized	Optional	Optional	✓				
Tape Type (See Chart Below)	A	A	A	B	C	D	C

C - Polyethylene Grade	D - Narrow Polyethylene Grade	E - Polyethylene Grade (Camera)
<ul style="list-style-type: none"> Durable Polyethylene tape Reinforced with stretch resistant Kevlar Dog bone profile 	<ul style="list-style-type: none"> 1/4" (6.5mm) Wide Polyethylene tape S/S conductors (2) Oval profile Better than coaxial cable (+Legibility) 	<ul style="list-style-type: none"> Durable Polyethylene tape 4 High efficiency copper conductors Dog bone profile 

- Measures **depth to water** accurately
- Easily collect **Drawdown** data to calculate well production
- **PFAS** free tape and probe
- Removable probe options:
 - Well Depth Indicator Probe
 - Well Casing Indicator Probe



TAPE LENGTH (M/FT)	MODEL #		
	METRIC (M)	IMPERIAL (FT)	
30M / 100FT	1102-30M	1102-100F	
45M / 150FT	1102-45M	1102-150F	
60M / 200FT	1102-60M	1102-200F	
100M / 300FT	1102-100M	1102-300F	
150M / 500FT	1102-150M	1102-500F	
200M / 750FT	1102-200M	1102-750F	
300M / 1000FT	1102-300M	1102-1000F	

FOR LONGER LENGTHS SEE PAGE 12

OPTIONS	PART #	ADD
Compatible Well Depth Probe	1101-2	
Compatible Well Casing Indicator Probe	1102-2	

- Premium Stainless Steel Polyethylene Coated Tape (A) Included:
- 5/8" (16mm) Water Level Probe (IP68) w/ holder
- Electronic Panel with audio and visual signals plus adjustable volume control
- Now with **Auto-Sense** to automatically filter out cascading water
- Vinyl, ergonomic holding grip
- 9V Battery
- Padded Storage/Carrying Case Included

Water Level Meter Bundle



dipper-T Four Function Bundle		
DESCRIPTION	PART #	
Well Depth indicator Probe	VB11-2	
Well Casing indicator Probe		

For Longer Lengths
See
LongLiner
page 12

Replacement Parts

dipper-T (Series 1100)

Tape & Link Replacement

(A) Polyethylene Coated Steel Tape with Connector Link Included

TAPE LENGTH (M/FT)	PART #		
	METRIC (M)	IMPERIAL (FT)	
30M / 100FT	1130-2-M	11100-2-F	
60M / 200FT	1160-2-M	11200-2-F	
100M / 300FT	11100-2-M	11300-2-F	
150M / 500FT	11150-2-M	11500-2-F	
200M / 750FT	11200-2-M	11750-2-F	
300M / 1000FT	11300-2-M	111000-2-F	

Connector Link

DESCRIPTION	PART #	
Connector Link Replacement	1108-2	

Water Level Meter Probes (Detachable)

DESCRIPTION	PART #	
Auto-Sense 5/8" (16mm) Probe	1109-2	
Well Depth Indicator Probe	1101-2	
Well Casing Indicator Probe	1102-2	

Electronic Panel

DESCRIPTION	PART #	
Auto-Sense Electronic Panel	1121-2	

Reel Assembly Kit -

Frame, Hub, Plates, Probe Holder, Stickers, Handle, Brake

DESCRIPTION	PART #	
Standard Reel	1130-2	
Large Reel	1133-2	

Hub Kit

DESCRIPTION	PART #	
Kit	1139-2	

Frame Accessory Kit -

Plugs, Roller Tape Guide, Probe Holder

DESCRIPTION	PART #	
Frame Accessory Kit	1142	

Brake Kit -

Brake & Pad

DESCRIPTION	PART #	
Brake Kit	1148	

Carry Cases

DESCRIPTION	PART #	
Standard Carry Case	1154	
Large Carry Case	1157	
Well Belt	1165	

Plates Kit -

Front & Back Plates with Handle and Stickers

DESCRIPTION	PART #	
10.5" (27cm) Nylon- Standard Frame	1166-2	
13.5" (34cm) Aluminum- Large Frame	1169-2	



1102-2

1101-2



Carry Case (1154)

- Measures **depth to water** accurately
- Easily collect **Drawdown** data to calculate well production
- **PFAS** free tape & field replaceable probe

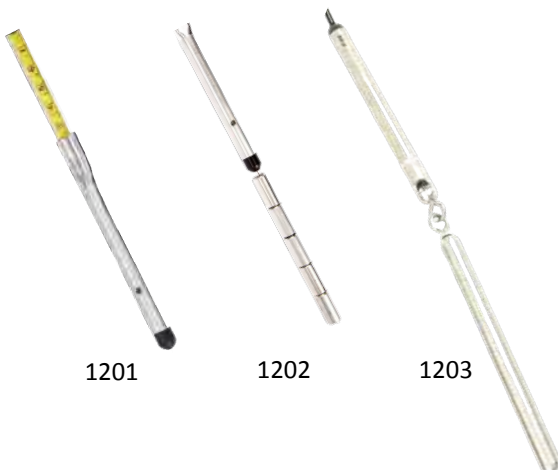


Included:

- Premium Stainless Steel Polyethylene Coated Tape (A)
- 5/8" (16mm) Water Level Probe (IP68) w/holder. Field Replaceable
- Electronic Panel with audio and visual signals plus adjustable volume control
- Sensitivity dial to tune out cascading water
- Vinyl, ergonomic holding grip
- Padded Storage/Carrying Case Included

FOR LONGER LENGTHS SEE PAGE 12

OPTIONS*	PART #	ADD
3/8" (9.5mm) Probe	1201	
Probe Weights 3/8"(9.5mm) (For lengths 100m/300ft +)	1202	
5/8"(16mm) Probe w/ Weights	1203	



1201

1202

1203

Certifications

c-QPS-us LR3030
 Class I, Div 1, Groups CD T3;
 Ex ia IIB T3 Ga
 Class I, Zone 0, AEx ia IIB T3 Ga
 IECEx QPS 23.0008X
 Ex ia IIB T3 Ga
 QPS23ATEX5003X
 CE 2900 Ex II 1G
 3CT 23UKEX1002X
 UK 2900 Ex II 1G
 T_{Amb} (Probe) = -45°C to +135°C
 T_{Amb} (Reel) = -45°C to +55°C



*adding accessories voids above certification

Replacement Parts

dipper-T2 (Series 1200)

Tape & Link Replacement (A) Polyethylene Coated Steel Tape with Connector Link Included

TAPE LENGTH (M/FT)	PART #		\$USD
	METRIC (M)	IMPERIAL (FT)	
30M / 100FT	1130-2-M	11100-2-F	
60M / 200FT	1160-2-M	11200-2-F	
100M / 300FT	11100-2-M	11300-2-F	
150M / 500FT	11150-2-M	11500-2-F	
200M / 750FT	11200-2-M	11750-2-F	
300M / 1000FT	11300-2-M	111000-2-F	

FOR LONGER LENGTHS SEE PAGE 13

Connector Link

DESCRIPTION	PART #	\$USD
Connector Link Replacement	1108-2	

Water Level Meter Probes (Detachable)

DESCRIPTION	PART #	\$USD
5/8" (16mm) Probe	1209-2	

Water Level Meter Probes Kits (Fixed)

* Using any probe options on 1202 series voids certification

DESCRIPTION	PART #	\$USD
5/8" (16mm) Probe Kit with weight(Fixed)-	1215	
5/8" (16mm) Probe Kit with weight (Fixed)X-Long Link	1213	
3/8" (16mm) Probe Kit(Fixed)-	1221	
3/8" (16mm) Probe Kit with weight (Fixed)	1222	

Electronic Panel

DESCRIPTION	PART #	\$USD
Electronic Panel	1221-2	
Pump Module - Electronic Panel	1180-2	

Reel Assembly Kit -

Frame, Hub, Plates, Probe Holder,
Stickers, Handle, Brake

DESCRIPTION	PART #	\$USD
Standard Reel	1230-2	
Large Reel	1233-2	

Hub Kit

DESCRIPTION	PART #	\$USD
Hub Kit	1139-2	

Frame Accessory Kit -

Plugs, Roller Tape Guide, Probe
Holder

DESCRIPTION	PART #	\$USD
Frame Accessory Kit	1142	

Brake Kit -

Brake & Pad

DESCRIPTION	PART #	\$USD
Brake Kit	1148	

Carry Cases

DESCRIPTION	PART #	\$USD
Standard Carry Case	1154	
Large Carry Case	1157	
Well Belt	1165	

Plates Kit -

Front & Back Plates with Handle
and Stickers

DESCRIPTION	PART #	\$USD
10.5"(27cm) Nylon- Standard Frame	1266-2	
13.5" (34cm) Aluminum- Large Frame	1266-2	

Ground Lead

DESCRIPTION	PART #	\$USD
Ground Lead	1675	



1209-2



1221-2



NEW
The pump module
allows you to
connect your
Heron meter to
any standard
sampling pump
controller.



Pump Module
1180-2

- Measure **deeper** faster
- Forward/Reverse 12 V variable speed motor
- Easily collect Drawdown data
- Wheeled hand cart included for ease of transport
- **Field Replaceable PFAS Free Probe.**

TAPE LENGTH (M/FT)	MODEL #		\$USD
	METRIC (M)	IMPERIAL (FT)	
450M/1500FT	4002-450M	4002-1500F	
600M/2000FT	4002-600M	4002-2000F	
750M/2500FT	4002-750M	4002-2500F	
900M/3000FT	4002-900M	4002-3000F	
1000M/3500FT	4002-1000M	4002-3500F	
1200M/4000FT	4002-1200M	4002-4000F	

OPTIONS	PART #	ADD
5/8"(16mm) Probe w/Weights	1203	
Well Depth Indicator probe	1101-2	
Well Casing Indicator probe	1102-2	

Also Available in
Series 1700 Conductivity
and
Series 1800 Temperature



Included:

- 5/8" (16mm) Water Level Probe
- Premium Stainless Steel Polyethylene Coated Tape (A)
- Forward/Reverse 12 Volt Electric Motor
- Remote Speed Controller, convenient handheld seated in a magnetic saddle
- Integrated, heavy-duty Battery Cables
- Removable Wheeled Hand Cart
- Folding Cart Handle
- 5/8" (16mm) Water Level Meter Probe
- Electronic Panel with audio and visual signals (Fully Encapsulated to IP65)
- Sensitivity Dial to tune out cascading water
- 9V Battery

Replacement Parts

LongLiner (Series 4000)

Tape & Water Level Link Replacement

(A) Polyethylene Coated Steel Tape with Connector Link Included.

TAPE LENGTH (M/FT)	PART #		\$USD
	METRIC (M)	IMPERIAL (FT)	
450M/1500FT	40450-2-M	401500-2-F	
600M/2000FT	40600-2-M	402000-2-F	
750M/2500FT	40750-2-M	402500-2-F	
900M/3000FT	40900-2-M	403000-2-F	
1000M/3500FT	401000-2-M	403500-2-F	
1200M/4000FT	401200-2-M	404000-2-F	

Connector Link

DESCRIPTION	PART #	\$USD
Connector Link Replacement	1108-2	

Water Level Meter Probes (Detachable)

DESCRIPTION	PART #	\$USD
5/8" (16mm) Probe	1209-2	

Electronic Panel

DESCRIPTION	PART #	\$USD
Electronic Panel	1221-2	

Brake kit -

Brake & Pad

DESCRIPTION	PART #	\$USD
Brake Kit	4048	

Handle Kits

DESCRIPTION	PART #	\$USD
Folding Cart Handle	4030	
Removable Hand Crank	4033	



- Measures **depth to fluid** accurately
- Tape directly embedded into the probe to withstand **high temperatures** and **harsh environments**
- Easily collect Drawdown data to calculate well production



Included:

- Premium Stainless Steel Kynar™ Coated Tape (B)
- 5/8" (16mm) Water Level Probe (IP68) w/ holder
- Electronic Panel with audio and visual signals plus adjustable volume control
- Sensitivity dial to tune out cascading water
- Vinyl, ergonomic holding grip
- Padded Storage/Carrying Case Included

TAPE LENGTH (M/FT)	MODEL #		\$USD
	METRIC (M)	IMPERIAL (FT)	
30M / 100FT	1402-30M	1402-100F	
60M / 200FT	1402-60M	1402-200F	
100M / 300FT	1402-100M	1402-300F	
150M / 500FT	1402-150M	1402-500F	
200M / 750FT	1402-200M	1402-750F	
300M / 1000FT	1402-300M	1402-1000F	



**FOR HIGH
TEMPERATURES & HARSH
ENVIRONMENTS**

- Measures **depth to water** accurately
- Easily collect **Drawdown** data to calculate well production
- **PFAS** free tape & field replaceable probe

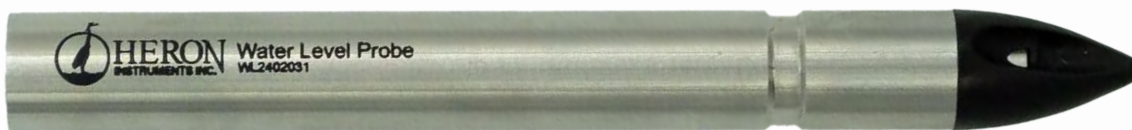
TAPE LENGTH (M/FT)	MODEL #		\$USD
	METRIC (M)	IMPERIAL (FT)	
30M / 100FT	1902-30M	1902-100F	
60M / 200FT	1902-60M	1902-200F	
100M / 300FT	1902-100M	1902-300F	
150M / 500FT	1902-150M	1902-500F	
200M / 750FT	1902-200M	1902-750F	
300M / 1000FT	1902-300M	1902-1000F	

CARRY CASE
ALWAYS
INCLUDED IN PRICE



Included:

- Polyethylene Tape w/ Heat Stamped Markings (C)
- 5/8" (16mm) Water Level Probe (IP68) w/ holder
- Electronic Panel with audio and visual signals plus adjustable volume control
- Sensitivity dial to tune out cascading water
- Vinyl, ergonomic holding grip
- 9V Battery
- Storage/Carrying Case



Water Level Meter Probe
1209-2

- Measures **depth to water** accurately
- **Narrow 1/4" (6.5mm)** tape & probe for small diameter wells/standpipes/piezometers
- Easily collect **Drawdown** data to calculate well production
- Probe pressure rated up to 100m/300ft for 20 minutes
- Better than coaxial cable water level meters (+ Legibility)



Included:

- 1/4" (6.5mm) Polyethylene Tape (D)
- 1/4" (6.5mm) Water Level Probe
- Electronic Panel with audio and visual signals plus adjustable volume control
- Sensitivity dial to tune out cascading water
- Vinyl, ergonomic holding grip
- 9V Battery
- Storage/Carrying Case

TAPE LENGTH (M/FT)	MODEL #		\$USD
	METRIC (M)	IMPERIAL (FT)	
30M / 100FT	1302-30M	1302-100F	
60M / 200FT	1302-60M	1302-200F	
100M / 300FT	1302-100M	1302-300F	
150M / 500FT	1302-150M	1302-500F	



**FOR SMALL DIAMETER
TEST WELLS/PIEZOMETERS**

- Our most affordable and basic water depth instrument
- Measures **depth to water** acoustically with removable Delrin plover
- Measure full well depth with weight
- Attach bailers for **groundwater sampling**
- Attach **Data Loggers** to measure water levels and temperature for short term analysis.



Included:

- Polyethylene Tape {C}
- ¾" Stainless Steel Weight
- 1 ½" Removable Delrin Plover
- Stainless Steel Spring Clip
- 3 Biodegradable Bailers
- Vinyl, ergonomic holding grip
- Storage/Carrying Case

TAPE LENGTH (M/FT)	MODEL #		\$USD
	METRIC (M)	IMPERIAL (FT)	
30M / 100FT	1500-30M	1500-100F	
60M / 200FT	1500-60M	1500-200F	
100M / 300FT	1500-100M	1500-300F	
150M / 500FT	1500-150M	1500-500F	
200M / 750FT	1500-200M	1500-750F	
300M / 1000FT	1500-300M	1500-1000F	

How it Works!

1. Lower the weighted plover into your well and listen for the echo of a **PLOP!** The base of the plover is hollowed out to amplify the sound when making contact with water.
2. Look at the tape measurement to identify depth to water



Weighted Plover
1514

Back in 1995, Heron Instruments founder Donald Toon created our first oil/water interface meter the H.OIL. Fast forward to 2024, and we continue to make the most accurate and rugged interface meter in the world.

Heron oil/water interface meters are used to measure the interface levels between two liquids in the same tank, vessel, well or aquifer. The probe can easily and accurately detect floating product (LNAPL), sinking product (DNAPL) and water with different audio and visual indicators.

Heron Instruments' interface meters can be used for accurate detection of leaking hydrocarbons like fuels or oils from tanks or any vessel into the groundwater supply. Often used to monitor ground water quality at fueling stations.

Detect Floating (LNAPL)
& Sinking (DNAPL)
Product in Water
(Measure Layers as Thin as 1mm)



H.OIL (Series 1600)



Conductivity, Temperature & Water Level Meters (Series 1700, 1800)

For environmental professionals or those involved in monitoring of water sources, water quality changes; indicated by temperature and conductivity fluctuations.

Conductivity & Temperature & Level Meter (Series 1700)

If Contamination or saltwater intrusion is a concern in your water, we offer the conductivity plus. This premium water level meter will indicate not only the temperature and water level, but also the conductivity of water. Since the calibration of this conductivity probe is simple it is an excellent tool for both groundwater wells and surface water.

Conductivity- See page 26

Temperature & Level Meters Series (1800)

Heron Instruments' dipper-Temp water level and temperature meter indicates water temperature on a digital display while still functioning as a water level meter. It incorporates 2 sensors in one probe, one for temperature and the other for water levels.

Temperature- See page 28

dipper-Temp (Series 1800)



- Measures **interface levels between two liquids**
- ATEX, IECEx, UKEx and c-QPS-us Certified Intrinsically Safe
- Detect floating product (**LNAPL**), sinking product (**DNAPL**) and water
- Ideal for use in hazardous environments for **Remediation Sites, Oil & Gas, Chemical and Petrochemical Industries**



Included:

- Premium Stainless Steel Kynar™ Coated Tape (B)
- 5/8" (16mm) Interface Probe (IP68)
- Electronic Panel with audio and visual signals plus adjustable volume control
- Certified Intrinsically Safe
- Grounding Lead
- Vinyl, ergonomic holding grip
- Padded Storage/Carrying Case Included

TAPE LENGTH (M/FT)	MODEL #		\$USD
	METRIC (M)	IMPERIAL (FT)	
20M / 60FT	1602-20M	1602-60F	
30M / 100FT	1602-30M	1602-100F	
60M / 200FT	1602-60M	1602-200F	
100M / 300FT	1602-100M	1602-300F	
150M / 500FT	1602-150M	1602-500F	
200M / 750FT	1602-200M	1602-750F	
300M / 1000FT	1602-300M	1602-1000F	



Certifications

c-QPS-us LR3030
 Class I, Div 1, Groups CD T3;
 Ex ia IIB T3 Ga
 Class I, Zone 0, AEx ia IIB T3 Ga
 IECEx QPS 23.0008X
 Ex ia IIB T3 Ga
 QPS23ATEX5003X
 CE 2900 Ex II 1G
 3CT 23UKEX1002X
 UKA 2900 Ex II 1G
 T_{Amb} (Probe) = -45°C to +135°C
 T_{Amb} (Reel) = -45°C to +55°C



*adding accessories voids above certification

- Ideal for measuring **conductivity**, **temperature**, and **water levels**
- Accurately display conductivity up to **250,000µS** and **temperatures** up to **70°C**
- Excellent for **early detection** of **saltwater intrusion** in areas with high levels of salinity like Coastal Sites



Included:

- Premium Stainless Steel Polyethylene Coated Tape (A)
- 5/8" (16mm) PFAS Free Conductivity Probe. Field Replaceable
- Electronic Panel with audio and visual signals plus adjustable volume control
- High Contrast LCD screen displays conductivity values up to 250,000 µS and a temperature range from -20°C to 70°C
- Support for changing temperature units to Celsius, Fahrenheit, and scientific units. °C, °F, °K, °R
- Padded Storage/Carrying Case Included

TAPE LENGTH (M/FT)	MODEL #		\$USD
	METRIC (M)	IMPERIAL (FT)	
30M / 100FT	1702-30M	1702-100F	
45M / 150FT	1702-45M	1702-150F	
60M / 200FT	1702-60M	1702-200F	
100M / 300FT	1702-100M	1702-300F	
150M / 500FT	1702-150M	1702-500F	
200M / 750FT	1702-200M	1702-750F	
300M / 1000FT	1702-300M	1702-1000F	

OPTIONS	PART #	ADD
Calibration Starter Kit- Calibration solutions (1413us/cm, 5000 µS/cm, 12880 µS/cm) Brush, Plastic Vial, Bag	1725	

Ask about Lengths up to 1500M/5000FT



1725

**DETECTS SALTWATER
INTRUSION**

- For **profiling temperature** and **static water levels**
- High tensile stainless steel tape for profiling up to **135°C/266°F**
- Used in wells, boreholes, standpipes, lakes, rivers etc.
- PFAS Free



Included:

TAPE LENGTH (M/FT)	MODEL #		\$USD
	METRIC (M)	IMPERIAL (FT)	
30M / 100FT	1802-30M	1802-100F	
45M / 150FT	1802-45M	1802-150F	
60M / 200FT	1802-60M	1802-200F	
100M / 300FT	1802-100M	1802-300F	
150M / 500FT	1802-150M	1802-500F	
200M / 750FT	1802-200M	1802-750F	
300M / 1000FT	1802-300M	1802-1000F	

- Premium Stainless Steel Polyethylene Coated Tape (A)
- 5/8" (16mm) PFAS Free Probe. Field Replaceable
- Electronic Panel with audio and visual signals plus adjustable volume control.
- High Contrast LCD screen displays in degrees Celsius (-45 to 135°C), Fahrenheit (-49 to 266°F), Kelvin (238 to 408°K) or Rankine (428 to 734°R)
- Accuracy +/- 0.05 °C
- 9V Battery
- Padded Storage/Carrying Case

Ask about Lengths up to 1500M/5000FT



Heron Instruments' downhole inspection cameras are designed and manufactured for well inspectors, well drillers, hydrogeologists and other professionals who are required to view the condition of wells, drains, boreholes, vertical shafts and open bodies of water. Keeping portability in mind, the downhole cameras and included accessories come in a rugged case for ease of transport to job sites. Used for performing well inspections, new well installations or well maintenance.

Where some other water well cameras are costly and cumbersome to service, the modular design of the self-contained Heron downhole camera allows for easy replacement of parts for service. Use a camera to determine well casing length, obstructions, inspect zones and rock formations underwater. Use a dipper-See to precisely place data loggers, inspect chambers, open bodies of water, pipes and wells.

*Take the guesswork
out of underwater
inspection*





EXAMINER (Series 2000)



READY TO GO!
EVERYTHING NEEDED
COMES INCLUDED



- For viewing & recording in holes 1" (25mm) & wider
- Rugged, Portable & Affordable
- External **adjustable angle** side to side, up/down monitor
- **Real time view** plus **record video** for future playback at the office



Included:

- White Polyethylene Tape
- 7 /8" (22mm) Fully Submersible Camera Probe (IP68)
- 160° Wide Viewing Angle
- Ultra-Bright LEDs
- 5 Level LED Brightness Adjustment
- Display Resolution - 600x1024, 7" (18cm)
- 2x Rechargeable Lithium Ion Batteries (5 hours running time each)
- Compact Battery Charger
- Centralizer Tool
- Retrieval Hook
- DVR (w/microphone) for audio & video recording
- 32GB SD Card
- Modular design for easy service/ replacement
- Rugged, Wheeled Storage Case

TAPE LENGTH (M/FT)	MODEL #		\$USD
	METRIC (M)	IMPERIAL (FT)	
150M /500FT	2000-150M	2000-500F	
300M /1000FT	2000-300M	2000-1000F	

ACCESSORIES	PART #	ADD
Retrieval Magnet	2001	



Retrieval Magnet
2001

Groundwater Data Loggers

(dipper-Log TOUGH, 128+, VENTED)

		Groundwater Data Loggers		
Logger Type		dipper-Log Tough+	dipper-Log 128+	dipper-Log Vented+
Performance	# of Data Sets	128,000	128,000	128,000
	Download Speed	21,333.33/min	21,333.33/min	21,333.33/min
	Water Level Accuracy (Typical)	+/- 0.05%FS (0°C to 50°C)	+/- 0.05%FS (0°C to 50°C)	+/- 0.05%FS (0°C to 50°C)
	Temperature Accuracy (Typical)	+/- 0.05°C Temperature Sensor Meets ASTM E1 112 and ISO 80601-2-56. NIST Traceability.	+/- 0.05°C Temperature Sensor Meets ASTM E1 112 and ISO 80601-2-56. NIST Traceability.	+/- 0.05°C Temperature Sensor Meets ASTM E1 112 and ISO 80601-2-56. NIST Traceability.
Operating Features	Pressure Ranges	10m/30ft 60m/200ft (14PSI), (85PSI), 30m/100ft 120m/400ft (42PSI), (170PSI)	10m/30ft 60m/200ft (14PSI), (85PSI), 30m/100ft 120m/400ft (42PSI),	10m/30ft 60m/200ft (14PSI), (85PSI), 30m/100ft 120m/400ft (42PSI),
	Overpressure Rating	2X Factory Calibrated Range	2X Factory Calibrated Range	2X Factory Calibrated Range
	Operating Temperature	-20°C to 80°C (-5° F to 175°F)	-20°C to 80°C (-5° F to 175°F)	-20°C to 80°C (-5° F to 175°F)
	Pressure Resolution %FS	0.01	0.01	0.01
	Battery Life (Depending on Usage)	Up to 5,000,000 Readings Up to 15 Years	Up to 5,000,000 Readings Up to 15 Years	Up to 5,000,000 Readings Up to 15 Years
	Warranty	2 Years	2 Years	2 years
Physical Characteristics	Wetted Material	Titanium, Delrin®, Teflon™	316 SS, Delrin®, Buna-N	316 SS, Delrin®, Buna-N
	O-Ring (Primary)	Teflon™	Buna-N	Buna-N
	O-Ring (Backup)	Viton	Viton	Viton
	Transducer	Titanium Piezoresistive Silicon	316 SS Piezoresistive Silicon	316 SS Piezoresistive Silicon
	Length	145mm / 5. 7"	145mm / 5. 7"	145mm / 5. 7"
	Diameter	22mm I 0.87"	22mm I 0.87"	22mm I 0.87"
	Weight	150g	170g	170g
	Deployment Options	Suspended, Direct Read, Reel	Suspended, Direct Read, Reel	Direct Read

*** FOR DEPLOYMENT
INSTALLATION SEE
PAGE 46**



Barometric Loggers/ Pressure Transmitters

(barLog, 4-20mA Pressure Transmitter)

Barometric Loggers	Pressure Transmitters		
barLog	4-20mA Pressure Transmitter	Logger Type	
128,000	N/A	# of Data Sets	Performance
21,333.33/min	N/A	Download Speed	
+/- 0.05%FS (0°C to 50°C)	+/- 0.05%FS (0°C to 50°C)	Water Level Accuracy (Typical)	
+/- 0.05°C Temperature Sensor Meets ASTM E112 and ISO 80601-2-56. NIST Traceability.	N/A	Temperature Accuracy (Typical)	
N/A	10m/30ft 60m/200ft (14PSI), (85PSI), 30m/100ft 120m/400ft (42PSI), (170PSI)	Pressure Ranges	Operating Features
2X Factory Calibrated Range	2X Factory Calibrated Range	Overpressure Rating	
-20°C to 80°C (-5° F to 175°F)	-20°C to 80°C (-5° F to 175°F)	Operating Temperature	
0.01	N/A	Pressure Resolution %FS	
Up to 5,000,000 Readings Up to 15 Years	N/A	Battery Life (Depending on Usage)	
2 Years	2 years	Warranty	
N/A	316 SS, Delrin®, Buna-N	Wetted Material	Physical Characteristics
Buna-N	Buna-N	O-Ring (Primary)	
Viton	Viton	O-Ring (Backup)	
316 SS Piezoresistive Silicon	316 SS Piezoresistive Silicon	Transducer	
145mm / 5.7"	145mm / 5.7"	Length	
22mm I 0.87"	22mm I 0.87"	Diameter	
170g	170g	Weight	
N/A	N/A	Deployment Options	



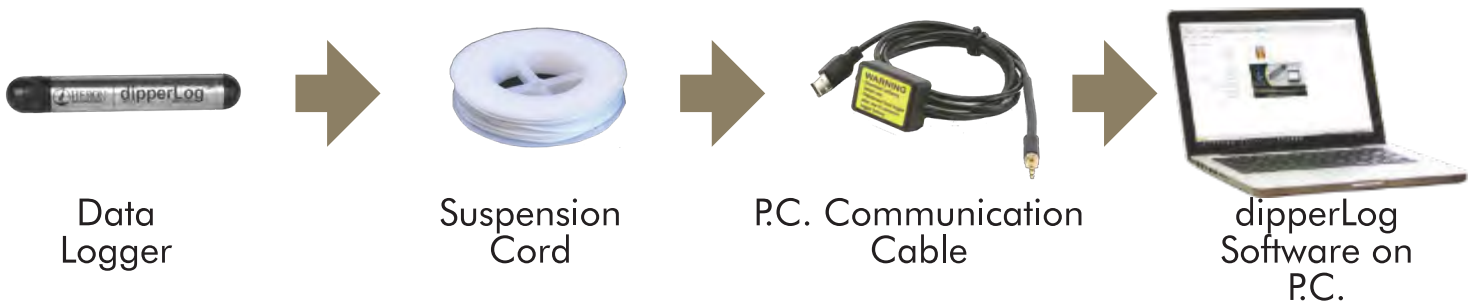
PFAS
FREE



PFAS
FREE

***DOWNLOAD OUR FREE
DATA LOGGER SOFTWARE AT
www.heroninstruments.com**

This is our **most economical** deployment option for an absolute data logger. Install the logger using a suspension cord and simply pull the logger up, connect to a laptop or Windows Tablet with a P.C. Communication Cable and retrieve your data.



CHOOSE YOUR LOGGER, THEN ADD YOUR ACCESSORIES


		Pressure Ranges /Part Number			
	\$USD	(B) 10m/30ft	(C) 30m/100ft	(D) 60m/200ft	(E) 120m/400ft
dipper-Log 128+ <u>THE MOST DATA, BATTERY LIFE & ALL PRESSURE RANGES:</u> * 2 Year Warranty * <u>128,000</u> Pressure & Temperature Data sets * Expected battery life up to 15 years		54128-B	54128-C	54128-D	54128-E
dipper-Log TOUGH+ <u>THE MOST DATA, BATTERY LIFE & ALL PRESSURE RANGES:</u> * 2 Year Warranty * Titanium body, Teflon encapsulated O-Rings. PREMIUM * Suitable for use in most caustic & Hazardous environments * <u>128,000</u> Pressure & Temperature Data sets * Expected battery life up to 15 years		54T-B	54T-C	54T-D	54T-E

Accessories for Suspended Absolute Model:

REQUIRED COMPONENTS	PART #	\$USD
dipperLog 128+ TOUGH +	SEE PAGE 36	
P.C. Communication Cable	5009	
barLog (1 per job location every 5km/3mi radius)	5116	
Polyethylene Suspension Cord (75m/250ft)	5025	
300m/1000ft	5026	

OTHER OPTIONS AVAILABLE	PART #	\$USD
Lockable Well Plug 2"	5006	
dipper-Log Maintenance Kit- Alconox Powder, O-rings, O-Ring Applicator Guide & Pick, Cleaning Cloth, Rubber Gloves	5024	
Accessory Case	5054	


Data Logger Value Bundles



PLUS CASE

dipperLog 128+ 6-Pack/barLog Bundle

DESCRIPTION	PART #	\$USD
• 6x dipper-Log 128+ (Any Pressure Range)	VB01	
• FREE barlog		
• 1 x Carry Case		



PLUS CASE

dipperLog 128+ Starter Kit

DESCRIPTION	PART #	\$USD
• 1 x dipper-Log 128+	VB04	
• 1 x Suspension Cord (250ft/75m)		
• 1 x PC Communication Cable		
• 1 x Carry Case		

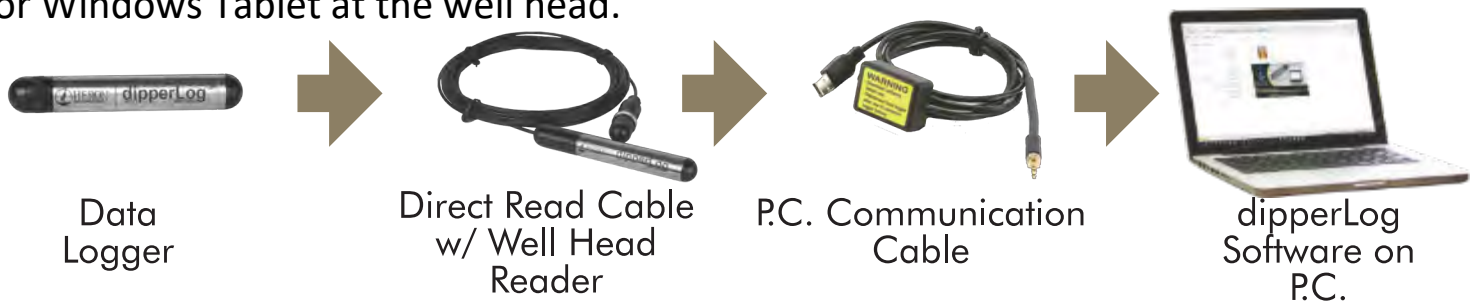
Lockable Well Plug (5006)

Polyethylene Suspension Cord (5025 & 5026)

dipperlog+

Zero Point

This is the **least labour intensive** model for groundwater data logging. The data logger is suspended on a direct read cable, which establishes a connection to the data logger at the wellhead. Programming, downloading, stopping, and starting data collection can be done while the logger is deployed. Just connect your laptop or Windows Tablet at the well head.



CHOOSE YOUR LOGGER, THEN ADD YOUR ACCESSORIES AND THE LENGTH OF CABLE YOU REQUIRE

		Pressure Ranges /Part Number			
	\$USD	(B) 10m/30ft	(C) 30m/100ft	(D) 60m/200ft	(E) 120m/400ft
dipper-Log 128+ <u>THE MOST DATA, BATTERY LIFE & ALL PRESSURE RANGES:</u> * 2 Year Warranty * <u>128,000</u> Pressure & Temperature Data sets * Expected battery life up to 15 years		54128-B	54128-C	54128-D	54128-E
dipper-Log TOUGH+ <u>THE MOST DATA, BATTERY LIFE & ALL PRESSURE RANGES:</u> * 2 Year Warranty * Titanium body, Teflon encapsulated O-Rings. PREMIUM * Suitable for use in most caustic & Hazardous environments * 128,000 Pressure & Temperature Data sets * Expected battery life up to 15 years		54T-B	54T-C	54T-D	54T-E

Accessories for Direct Read

Absolute Model:

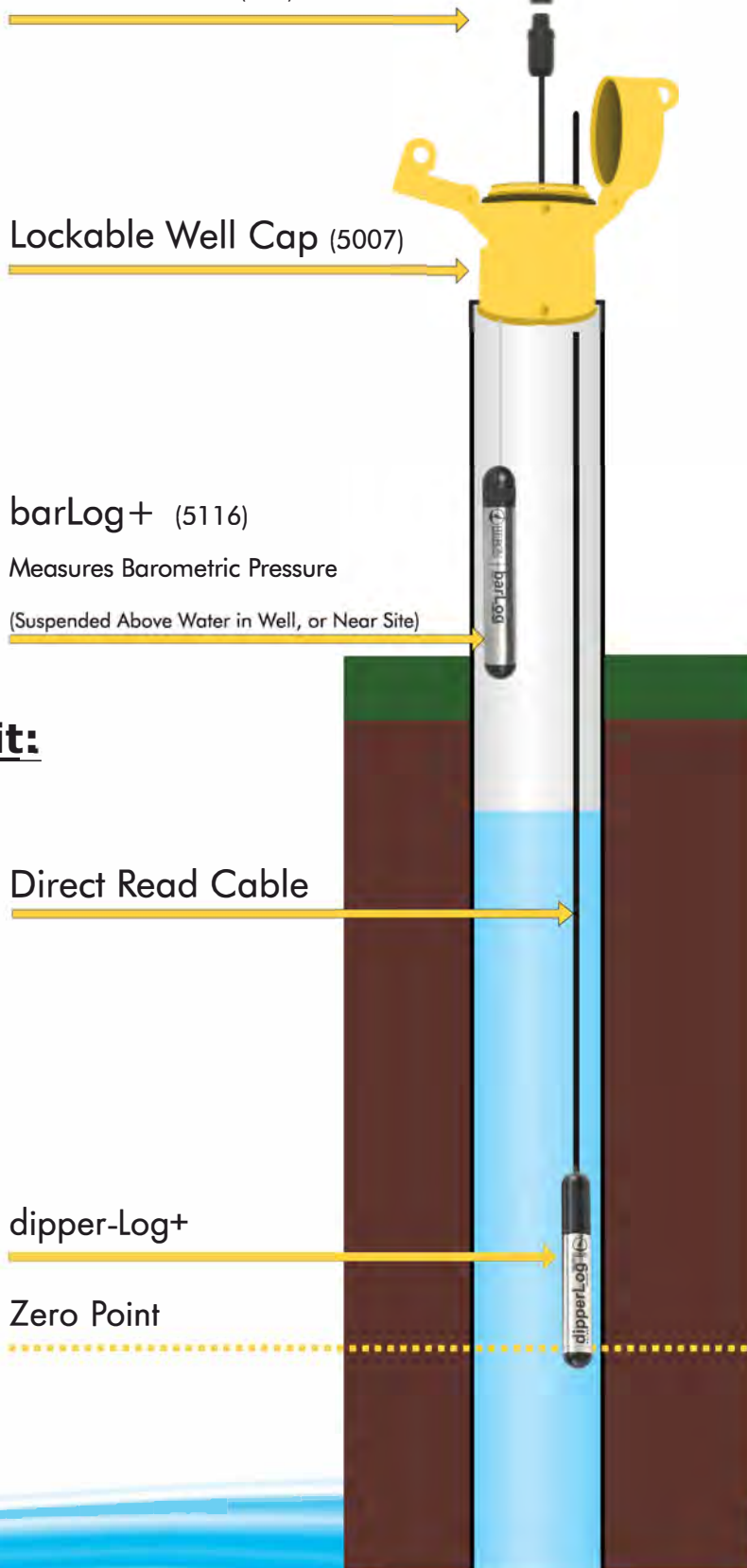
REQUIRED COMPONENTS	PART#	\$USD
dipoer-Log 128+/TOUGH+	SEE PAGE 38	
P.C. Communication Cable	5009	
barLog (1 per job location every 5km/3mi radius)	5116	
Absolute Direct Read Cable Kit (Cable, Reader & Mounting Kit)	SEE BELOW	

OTHER OPTIONS AVAILABLE	PART #	\$USD
Hinged Lockable Well Cap 2" (50mm)	5007	
tapNtell Surface Display	5020	
SDI-12 Interface Cable (10m/30ft)	5021	
dipper-Log Maintenance Kit - Alconox Powder, O-Rings, O-Ring Applicator Guide & Pick, Cleaning Cloth, Rubber Gloves	5024	
Accessory Case	5054	

CHOOSE YOUR CABLE LENGTH AND ACCESSORIES, THEN ADD TO DATA LOGGER FOR COMPLETE COST

Standard Cap & Direct Read Well Head Reader

Connect your laptop [HERE](#) via P.C. Communication Cable (5009)

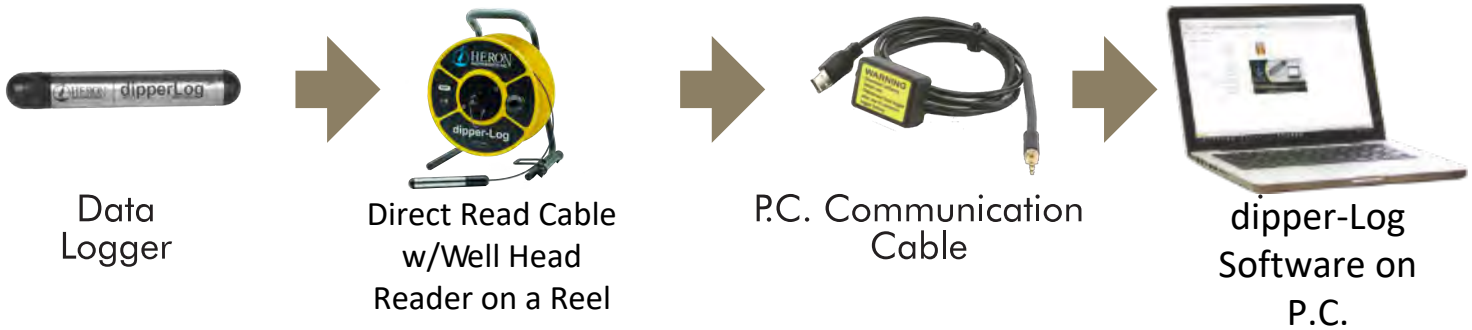


Absolute Direct Read Cable Kit:

(1) ABSOLUTE DIRECT READ CABLE (2) WELL HEAD READER & (3) MOUNTING KIT	PART#	ADD\$
2M/6F	5110	
5M/15F	5111	
10M/30F	5119	
15M/50F	5112	
30M/100F	5113	
45M/150F	5114	
60M/200F	5115	
75M/250F	5117	
100M/300F	5118	
150M/500F	5120	
225M/750F	5121	
280M/925F	5122	

Custom Cable Lengths Available @ Additional Cost+ Fee \$75

The Reel Model is an ideal option when transporting your data logger from site to site for pump and slug tests or any other short term deployment. Programming and downloading of the data is capable via the connection on the face plate on the reel.



CHOOSE YOUR LOGGER (C/W REEL), THEN ADD YOUR ACCESSORIES AND THE LENGTH OF CABLE YOU REQUIRE

		Pressure Ranges /Part Number			
	\$USD	(B) 10m/30ft	(C) 30m/100ft	(D) 60m/200ft	(E) 120m/400ft
dipper-Log 128+ <u>THE MOST DATA, BATTERY LIFE & ALL PRESSURE RANGES:</u> * 2 Year Warranty * <u>128,000</u> Pressure & Temperature Data sets * Expected battery life up to 15 years		54128-B-STD	54128-C-STD	54128-D-STD	54128-E-STD
dipper-Log TOUGH+ <u>THE MOST DATA, BATTERY LIFE & ALL PRESSURE RANGES:</u> * 2 Year Warranty * Titanium body, Teflon encapsulated O-Rings. PREMIUM * Suitable for use in most caustic & Hazardous environments * <u>128,000</u> Pressure & Temperature Data sets * Expected battery life up to 15 years		54T-B-STD	54T-C-STD	54T-D-STD	54T-E-STD

Accessories for Reel Absolute Model:

REQUIRED COMPONENTS	PART#	\$USD
dipper-Log 128+/TOUGH + with Reel	SEE PAGE 40	
P.C. Communication Cable	5009	
Direct Read Cable	SEE BELOW	

OTHER OPTIONS AVAILABLE	PART#	\$USD
barlog (1 per job location every 5km/3mi radius)	5116	
dipper-log Maintenance Kit - <small>Alconox Powder, O-Rings, O-Ring Applicator Guide & Pick, Cleaning Cloth, Rubber Gloves</small>	5024	

**CHOOSE YOUR CABLE LENGTH AND
ACCESSORIES, THEN ADD TO DATA
LOGGER w/ REEL FOR COMPLETE COST**

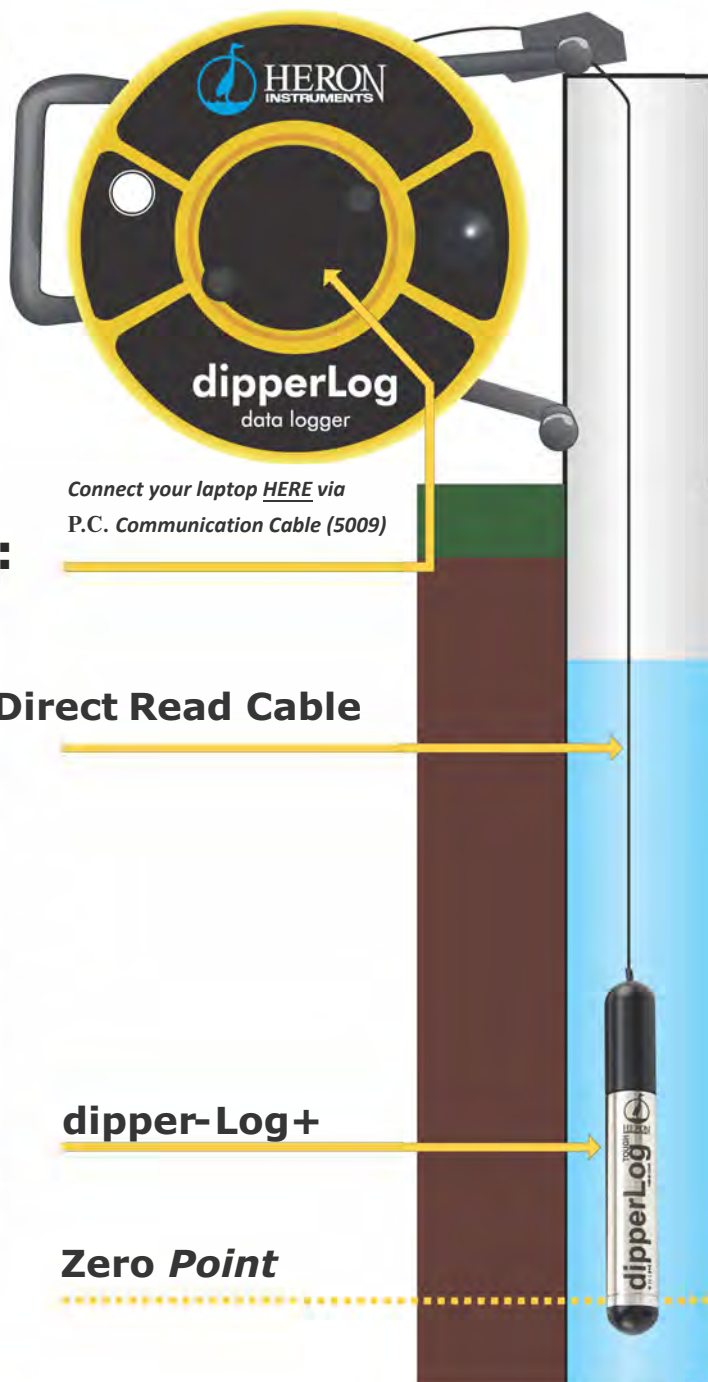
Absolute Direct Read Cable:

ABSOLUTE DIRECT READ CABLE w/WELL HEAD READER	PART#	ADD\$
2M/6F	5110NMK	
5M/15F	5111NMK	
10M/30F	5119NMK	
15M/50F	5112NMK	
30M/100F	5113NMK	
45M/150F	5114NMK	
60M/200F	5115NMK	
75M/250F	5117NMK	
100M/300F	5118NMK	
150M/500F	5120NMK	
225M/750F	5121NMK	
280M/925F	5122NMK	

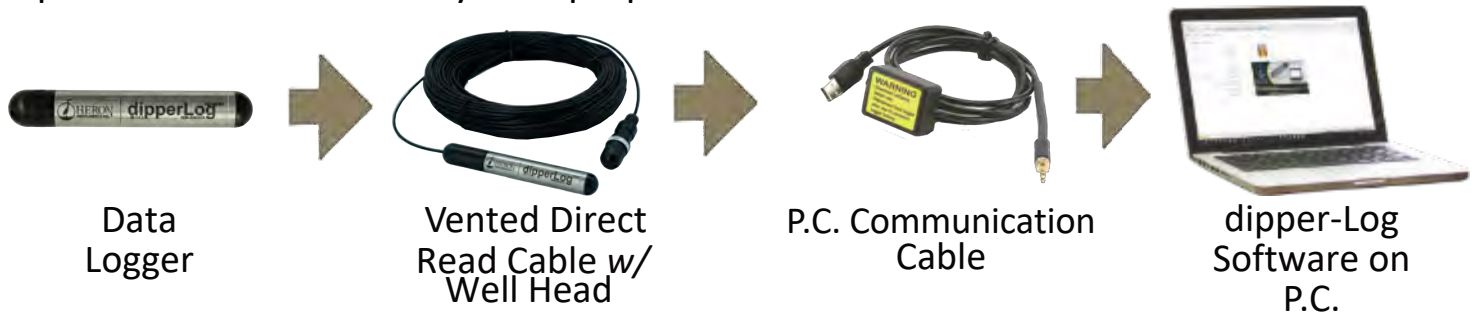
**Custom Cable Lengths Available @
Additional Cost+ Fee \$75**

***NMK-No Mounting Kit**

**SAME COMPONENTS AS A
DIRECT READ MODEL WITH
A REEL ADDED FOR SHORT
TERM READINGS IN
MULTIPLE WELLS**



Heron Instruments' vented data logger incorporates a gauged transducer that measures pressure exempt barometric influences (no barometric logger required). The vented data loggers are removable from the vented cable, allowing for easy field replacement. Just connect your laptop or Windows Device at the well head.



Barometrically Compensated Data Logger:

dipper-Log VENTED+				
Includes Well Head Reader and well Mounting Kit 2 Year warranty 128,000 Pressure & Tempertaure Data Sets Expected battery life up to 15 years				
USD 691				
Pressure Range	(B) 10m/30ft	(C) 30m/100ft	(D) 60m/200ft	(E) 120m/400ft
PART #	54VEN-B	54VEN-C	54VEN-D	54VEN-E

Accessories for Vented Direct Read Model:

REQUIRED COMPONENTS	PART #	\$USD
dipper-Log VENTED+ w/Vented Well Head Reader & Mounting Kit	SEE ABOVE	
PC Communication Cable	5009	
VENTED Direct Read Cable (By M/FT)	5032M 5032F	

OTHER OPTIONS AVAILABLE	PART #	\$USD
Hinged Lockable Well Cap 2" (50mm)	5007	
TapNtell Surface Display	5020	
Mounting Kit	5023	
Accessory Case	5024	



•CHOOSE CUSTOM CABLE LENGTH (SOLD BY METER OR FOOT) THEN CHOOSE YOUR LOGGER AND ADD YOUR ACCESSORIES

4-20mA PRESSURE TRANSMITTER

The 4-20mA Pressure Transmitter is easily integrated into an existing SCADA system, digital display or 3rd party data logger. it will provide continuous, accurate water level reading for a wide variety of applications.

A two-wire 4-20mA Pressure Transmitter current configuration is used with our pressure transmitter which is the most used signal transmission for transducers in industrial environments.

Pump activation for low water level, high water level in tanks, wells, rivers and chambers. Low water and high water level shut off. Note: External Power Required.

Pressure Transmitter:

<div> <div>4-20mA Pressure Transmitter</div> <div>USD 571</div> </div> <div> 2 Year Warranty Includes Vent Filter Easily integrate into existing SCADA system OR a third party data logger To provide a continuous water level reading for your application (pressure sensor only, NO data logging capability) 2 wire 4-20mA current loop for signal transmission </div>				
Pressure Range	(B) 10m/30ft	(C) 30m/100ft	(D) 60m/200ft	(E) 120m/400ft
PART #	54PT-B	54PT-C	54PT-D	54PT-E

Accessories for 4-20mA Pressure transmitter:

REQUIRED COMPONENTS	PART #	\$USD
4-20mA Pressure Transmitter	SEE ABOVE	
VENTED Direct Read Cable (By M/FT)	5032M 5032F	

OTHER OPTIONS AVAILABLE	PART #	\$USD
Digital Display for 4-20mA (Includes Vent Filter)	5031	
Vent Filter	5034	
Accessory Case	5024	

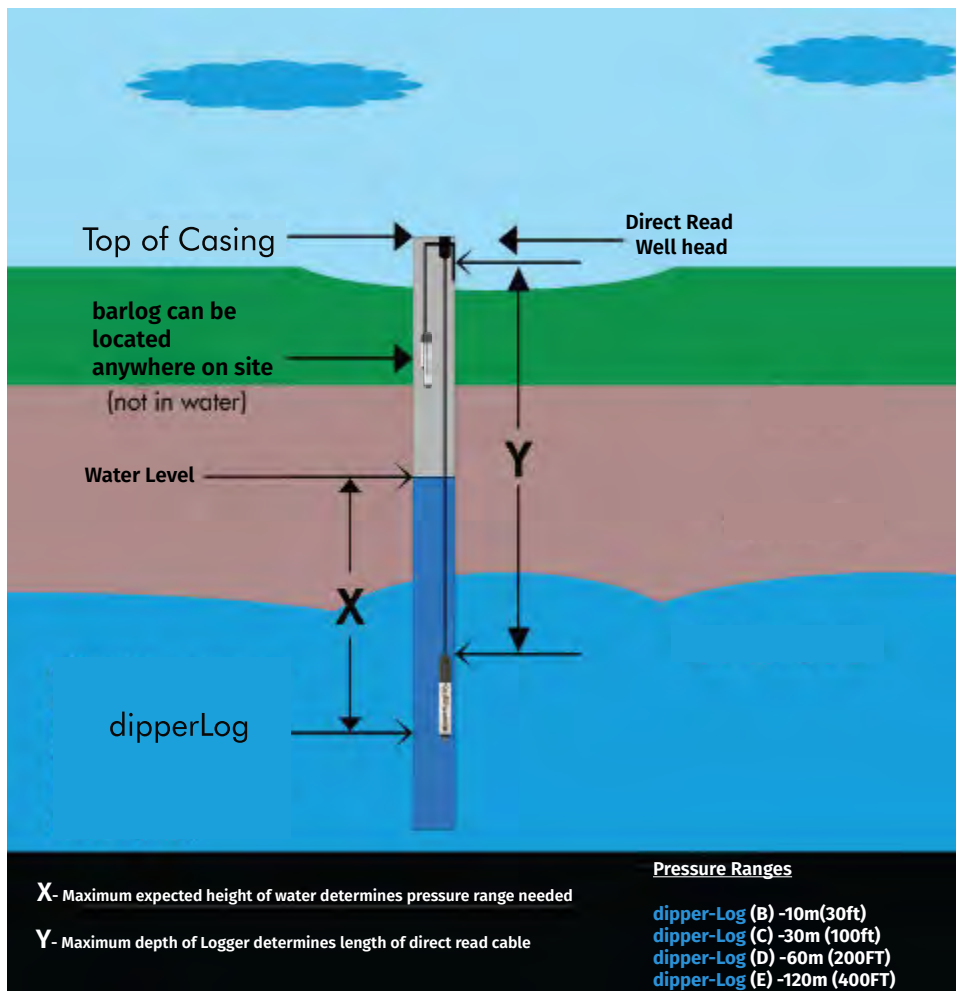


5031



***CHOOSE YOUR PRESSURE TRANSMITTER THEN ADD YOUR ACCESSORIES AND CUSTOM CABLE LENGTH SOLD BY METER OR FOOT**

1. Using a water level meter, determine the static water level.
 2. Determine the total well depth (using a dipper-T w/ Well Depth Indicator Probe)
 3. Subtract static water level from total well depth to determine max head of water
 4. Determine appropriate pressure range and cable length required
 5. Choose deployment model
 6. Use a dipper-Tag with a bailer to take a water sample and determine which logger best suits your deployment
 7. Order the appropriate logger in pressure range of choice
 8. Begin logger mission using dipper-Log Software
 9. Deploy logger into well
- (Suggested)
1. Check on data logger quarterly
 2. HIGHLY RECOMMENDED-bring a water level meter with you to check water level and verify data logger readings (after performing compensation in dipper-Log software).



Terms & Conditions

Prices:

IN EFFECT JANUARY 1 st 2025

Prices in the catalogue are list prices in USD. The appropriate distributor discount may vary and will be applied accordingly to the distributor's invoice.

- Prices are subject to change without notice
- Fixed annual exchange rate will be applied for Canadian clients
- Shipping, handling, fees and applicable taxes are extra

Delivery and Freight Terms:

It is our goal to provide our customers with the shortest lead times for new orders and serviced products. We ship directly from our location in Dundas, Ontario, Canada or from our warehouse in Depew, New York, USA.

- Confirmation and tracking information is emailed to you

Canada Shipments

- Orders are shipped via UPS, FedEx or Purolator ground (unless specified otherwise) on our account (prepaid and add) or collect on your preferred shipping account

USA Shipments

- Orders are shipped from stock that is held at our warehouse in Depew, NY.
- Standard shipping method is UPS ground (prepaid and add) or collect on your preferred shipping account

Overseas Shipments

- We obtain quotes from UPS, FedEx, DHL and Purolator to determine the most economical shipping method and delivery times, or ship collect on your preferred account
- Shipping Terms: EXW - Incoterms 2010

Return for Service:

All products returning for service require a Return Material Authorization Number (RMA#).

- Request an RMA# through our website
- The RMA# must be clearly marked on the outside of the box
- All parts related to the functionality and installment of the product are required to be returned ON the item for inspection purposes
- All returned items must be cleaned & decontaminated before sent in for service.
- Any dirty units returned for service/repair will be sent back.
- Inspection and data recovery fees may be applied
- Canada and Overseas shipments, ship to our location in Canada. USA shipments, ship to our location in Depew, NY.
- See ship-to locations, see page 2.

Warranties:

We warrant to repair or replace any defective equipment or part upon inspection by a Heron service technician. Warranty will be determined to our satisfaction to have a defect in workmanship or original material. You are responsible for all shipping fees to return the item to us.

- For detailed warranty information visit our website www.heroninstruments.com

Hours of Operation:

- Monday to Friday 8:00am - 4:00pm EST