

# dipper-T

## Four Function Water Level Meter

The Heron dipper-T is renowned for its premium, polyethylene coated yellow steel tape accuracy in measuring depth to water. Available in your choice of either metric or engineering scale.

The dipper-T water level meter can be conveniently converted to a multi-functional instrument, not only able to measure static and falling head levels, but also to determine the length of casing and well depth. The water level sensing probe can be easily removed at the link connection and substituted with either the Well Casing Indicator Probe or Well Depth Indicator Probe. The FOUR FUNCTION capability of the dipper-T water level meter makes this unit an asset to groundwater professionals and rural property owners during the construction of new wells, maintaining wells or decommissioning abandoned wells.

Static mode is used for measuring the depth of water in wells, boreholes and standpipes. DrawDown mode is used for measuring falling water levels during purging, well development and for low flow sampling.

The Well Casing Indicator Probe is used to measure the depth of metal casing in wells and boreholes from two inches in diameter and upward. The Well Casing Indicator Probe works using magnetism. While the probe sits within the magnetic field of the steel casing, an auditory and visual signal is active. When the probe leaves the magnetic field the signal stops. Note the condition of the well for accurate readings.

The Well Depth Indicator Probe (or bottom detector) is used to measure the full depth in wells and boreholes. The Well Depth Indicator Probe uses a pressure sensitive plunger to measure the distance to the bottom of the well. When the Well Depth Indicator Probe reaches the bottom of the well, the plunger enters the probe body closing a switch, initiating an audible and visual signal at the top of the well.



## Feature ans advantages

- **Electronic Module (IP65)** – mode change for static and drawDown levels, removable for easy cleaning and servicing. Circuits and components are potted to protect from moisture and dust intrusion
- **Sensitivity Switch** – to adjust for false signals from cascading water
- **Link** – to prevent damage to the tape, the probe is sacrificed at the link area if stuck in the well
- **Probe (IP68) – 5/8" fully pressure/depth rated\***, no holes or recesses for contaminate build up, field replaceable for optional casing or depth detector probes
- **Steel Tape** – high tensile steel, jacketed with polyethylene, high break strength, stretch resistant and lifelong legibility – markings in metric (mm) or engineering scale (1/100')
- **Steel Tape Certified/Compliant to** – ASME B89.1.7-2009 & MIL-STD-45662A Certified, FED GGG-T-106F & EEC Class II Compliant
- **Padded Carry Case** – to protect your precision water level meter from the elements
- **Hanger** – built in, to support the meter at the well head, allows for hands free deployment/hands free water level measuring
- **Tape Guide** – built in, to protect the tape from sharp edges on the well casing
- **Vinyl Holding Grip** – molded to the frame, ergonomic easy grip
- **Winding Handle** – custom made for easy rewinding with gloved hands

\*Temporarily Submersible

Reel Assembly:	Standard	Large	Double
Height	36cm (14.2")	50.5cm (20")	50.75cm (20")
Depth	21cm (8.3")	27.6cm (10.9")	51cm (20.08")
Width	29cm (11.4")	42cm (16.5")	36.75cm (14.5")
Weight (Reel Assembly Only)	2.30kg (5.1lb)	4.56kg (10.05lbs)	7.08kg (15.65lbs)
Plate Size	26.67cm (10.5")	30.48cm (12") 40.64cm (16")	30.48cm (12")
Plate Material	Nylon	Aluminum	Aluminum
Brake	Ergonomic Dial	Ergonomic Dial	
Hanger	Included on frame leg	Included on frame leg	No
Tape Guide	Included on frame leg	Included on frame leg	No
Test Points	On back of frame	On back of frame	Use Conductive Material
Tape Lengths	15m, 50ft 30m, 100ft 45m, 150ft 60m, 200ft 100m, 300ft 150m, 500ft	200m, 750ft 300m, 1000ft	450m, 1500ft 600m, 2000ft + 600m/2000ft Power Reel Available
<b>Tape:</b>		<b>Electronic Panel:</b>	
Tape	High Tensile Steel	Operating Mode	Static & drawDown
Jacketing	Polyethylene	Power Source	9 Volt Alkaline
Conductors	7 strand (4 S/S & 3 copper)	7 strand (4 S/S & 3 copper)	S/S & Aluminum
Markings	Metric or Engineering Scale - Under Jacketing	Audio/Visual Indication	Ultra Bright LED & 80dbi Buzzer
Width	.952cm (3/8")	Rating	IP65
Dog Bone Profile	Yes	Removable	YES
Break Strength	127kg (280lbs)	Maximum Temperature	80° C
<b>Probe:</b>		<b>Included &amp; Optional:</b>	
Weight	158g (.348lb)	Padded Carry Case	Included
Length	248mm (9.75")	Well Depth Indicator Probe	Optional
Diameter	16mm (.625")	Well Casing Indicator Probe	Optional
Removable	Yes	<b>Warranty:</b>	5 Year (Probe 1 Year)
Depth Rating	IP68		
Break Strain	68kg (150lbs)		
Wetted Material	S/S, Viton, Nylon, ABS & Teflon		

Not Available