

# Heron Conductivity Plus Level & Temperature Meter

**Model: Conductivity Plus**

**Length Options:** 100ft/30m to 1000ft/300m

**Warranty:** 3 years

## Conductivity Plus:

The **Conductivity Plus** Level and Temperature Meter enables accurate measurements of conductivity, water level and temperature in wells, boreholes, stand pipes and open bodies of water. The **Conductivity Plus** can be used to profile conductivity and temperature to depths of 1000ft (300m).

## Conductivity Plus Tape Specifications:

Unlike other similar units on the market, the **Conductivity Plus** uses a measuring tape with a high tensile steel core, tested for stretch resistance to ASME standards. Two seven strand stainless steel conductors add to the strength of the tape. The measuring scale is printed on the inner core which is then jacketed in medium density polyethylene ensuring lasting legibility and a long tape life. The tape graduations are in decimal feet with markings at each 1/100th foot or metric with markings at each mm.

## Conductivity Plus Electronic Module Specifications:

The **Conductivity Plus** electronic module houses an LCD screen which displays conductivity values up to 80,000 micro siemens, and a temperature range from -20°C to +85°C. A super bright red LED and an 80dB buzzer are also housed in the module. The electronics are based on A/C current. This helps prevent probe corrosion and fouling. The Electronics are protected from dust and moisture by an epoxy based conformal coating. The unit is powered by a single 9v battery also mounted on the module.

## Conductivity Plus Probe Specifications:

The **Conductivity Plus** probe utilizes a four electrode system comprising of two arrays of a single electrode within a concentric electrode. Each array reverses its polarity 1000 times per second. This system drastically reduces electrode corrosion ensuring reproducible readings. Water level is sensed when the probe passes from a non conductive medium (air) to a conductive medium (water @ more than 10 m.s.) The Probe is 0.75in diameter x 8.0in long (19mm x 203mm).

## Conductivity Plus Reel Specifications:

The **Conductivity Plus** is a well balanced unit. The stand alone, sturdy steel frame is coated in Polyurethane for durability. The Vinyl coated carry handle is ergonomically designed for comfort and easier rewinding. The reel flanges and center hub are molded from high strength Nylon running on a stainless steel axle allowing the smooth running of tape up and down the well or borehole. The third hand well casing hanger and tape guide are standard features on all Heron meters. (Excluding little dipper).

## Water Level & Depth Measurements:

The **Conductivity Plus** will signal water with a bright LED light and solid buzzer tone allowing the user to make water level measurements accurate to 1/100th ft or to each millimeter. The **Conductivity Plus** signals when contact is made with water. The depth of the water is then read from the tape. There is an automatic shut off after five minutes of inactivity. Note: The buzzer can be switched off during conductivity and temperature profiling.

## Conductivity Measurements:

The **Conductivity Plus** meter is standardized against standard conductivity solutions at 25°C. The meter measures the temperature and automatically converts readings to specific conductivity values. The conductance temperature coefficient is 2.0% Calibration is easy, using readily available 1413us solution. The auto off facility activates after five minutes of zero conductivity profiling.

## Temperature Measurement Specifications:

The **Conductivity Plus** will withstand and measure temperatures to +85°C. The temperature range is -20°C to +85°C. The temperature is displayed on the LCD screen on the electronic module. A response time of approximately 10 seconds allows for temperature stabilization. The auto off facility activates after five minutes of zero temperature profiling.

## Features to Remember:

- Low Cost
- Superior Tape
- Four Electrode Configurations
- Padded carrying bag included
- Lengths available to 1000ft (300m)

