



## BGS LIGHTWEIGHT WATER LEVEL DIP METER

Formally Bourne Geotechnical, AAGL are the successor to Bourne Geotechnical dip meters. The water level gauges are designed for fast and reliable measurements of water levels in wells, boreholes, observation tubes, tanks, surface waters, etc.

The water level gauges have a compact, lightweight drum and plastic frame, making them easy to transport and use in the field.

The robustly constructed cable drum is equipped with a highly accurate and durable polyethylene ribbon measuring cable.

This BGS water level meter with plastic drum is a lighter alternative to other meters with galvanized stand frame.

## FUNCTIONALITY

The water level gauges use a corrosion-resistant probe that is firmly connected to the permanently marked ribbon measuring cable.

As soon as the zero point of the probe touches the surface of the water, an electrical circuit is closed. This triggers a bright LED display and an acoustic signal on the drum at the same time.

When the probe is raised slightly above the water level, the LED light and buzzer are turned off so that the reading point can be accurately determined. The depth is read on the high-precision tape.

## HIGH-QUALITY DESIGN

The free-standing drums have a practical carrying handle and a sturdy frame and are ergonomically designed to make them easier to use. They are made of a very durable, lightweight plastic. The battery is located in a compartment on the front of the drum and can be quickly replaced.

An LED light and an acoustic signal indicate contact with the water. The drum can be fixed by means of a brake.

## High-Quality Design

- Lightweight drum made of sturdy plastic
- Compact size:
  - Dimensions - L x W x H - 23 x 16 x 31cm
  - Gauges Weight :

15m = 1.6kg	30m = 1.9kg
50m = 2.2kg	80m = 2.7kg
100m = 3.0kg	
- Polyethylene tape with easy-to-read markings.
- Band lengths: 15m, 30m, 50m, 80m, 100m
- Easily replaceable 9V battery
- Bright light and audible signal

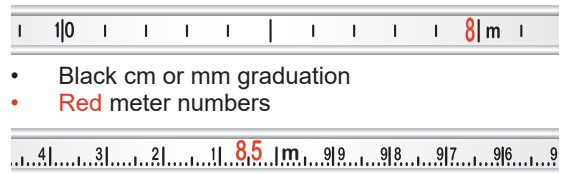
## APPLICATION USES

- Monitoring of the water level in wells, tanks, shafts, sounding pipes
- Adjustment of groundwater levels during the installation and control of data loggers
- Determination of the end depth with the help of a screw-in basic button
- Well construction
- Measurement of water levels during the different phases of well construction and development
- Control measurements during pumping tests
- Hydrogeological investigations and research

## High-quality polyethylene flat tape

The lightweight water level gauge uses a high-quality polyethylene flat strip provided with two high-strength stainless steel conductors. The tape is permanently marked with black markings every centimeter or millimeter and with red markings every meter. The tapes are available in lengths of: 15m, 30m, 50m, 80m and 100m.

The tape runs smoothly on the drum, is flexible and hangs straight in the well. The rounded edges reduce adhesion to wet surfaces. The stainless steel ladders provide strength and are stretch-free. The tape is easy to repair and splice.



- Black cm or mm graduation
- Red meter numbers

### Weight of the water level gauges

15m = 1.6kg, 30m = 1.9kg, 50m = 2.2kg  
80m = 2.7kg, 100m = 3.0kg

## Corrosion-resistant probe

The probe is shielded to reduce or avoid false readings in cascade water. The probe consists of a corrosion-resistant housing with a stainless steel electrode and a flexible seal.

The standard diameter of the probe is 15mm. A special probe with a diameter of 12mm is also available.



## Optional accessories

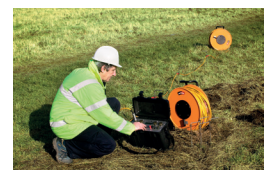
- Screw-in basic probes for measuring the depth of the well.
- Screw-in probe tips with snap hooks for attaching solders or bailers
- Additional 250-gram weight
- A carrying bag is available for transporting and protecting the water level gauges

## OTHER WATER & GEOPHYSICAL RELATED SYSTEMS

### Allied Omega $\Omega$ VES



### Allied Tigre - 32,64 or 128 Electrodes Offset Wenner, Schumberger and Wenner Sounding



For more information visit: [www.allied-associates.com](http://www.allied-associates.com)

Allied Associates Geophysical Ltd

Unit 8, Concept House, The Townsend Centre  
Blackburn Road, Dunstable, LU5 5BQ, United Kingdom  
+44 (0) 1582 606 999

[www.allied-associates.com](http://www.allied-associates.com)