



Water Level Meter W7-5



DESCRIPTION

Water Level Meters are used to measure the depth of water in standpipes, wells and boreholes.

The meter comprises a stainless steel probe fitted to a flexible graduated cable which is wound on to a hand reel containing a transistorised switched circuit, audio (buzzer) and visual (LED light) indicators and a battery.

The meter is simple to use and being portable, can be used at many locations. The tape design prevents it from sticking to wet surfaces, such as the lining of a borehole, ensuring accurate measurements.

OPERATION PRINCIPLE

A two conductor cable serves to both lower the probe and connect the probe to the output circuit board. An insulating gap in the probe serves as a switch, closing upon contact with the water.

The probe is lowered down a borehole on the end of the tape. When it makes contact with water a buzzer sounds and an LED light comes on, both located on the reel. A reading can then be taken from the tape at the top of the borehole to indicate the water depth.

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FEATURES

- ✓ One instrument reads at many locations
- ✓ Small probe diameter 16mm
- ✓ Contoured tape for accurate readings
- ✓ Tape range; 30m–500m with 1mm divisions
- ✓ Lightweight
- ✓ Simple, reliable and easy to operate
- ✓ Audible (buzzer) and visual (light) water level alert signals
- ✓ Sensitivity adjustment for variations in water conductivity
- ✓ Non-stretch polyethylene coated steel tape

BENEFITS

- ✓ Easily portable
- ✓ Tape design prevents tape sticking to wet surfaces
- ✓ Economic water level monitoring
- ✓ Ideal for boreholes with small diameters