



Applications

Water Level Meters are used to measure the depth of water in standpipes, wells and boreholes. The meter is simple to use and being portable, can be used at many locations such as: water levels in open boreholes, construction control and stability monitoring of dams, reservoirs and embankments, hydrological and hydrogeological investigations of water resources, stability investigations of natural and cut slopes, etc.

Description

BSIL-W7 Water Level Meter is used to measure the water level in well logging, boreholes or pressure tubes. The instrument consists of a steel ruler with built-in wires, probe, sound and light indicating circuit and ruler reel etc. The probe on the ruler front end has a needle water level sensor, triggers the sound-light alarm within the reel once the probe touches the water surface and indicates the depth of the liquid level from the orifice basing on the ruler scale. The ruler section adopts a dog bone-shaped design and prevent effectively adhering to well logging or borehole moisture affection. The high qualified reel adopts aluminum alloy manufacture and stoving varnish coating surface features a good anti-moisture and anti-corrosion ability.

Key Features

- ◆ Simple, reliable and easy to operate
- ◆ Lightweight and easily portable
- ◆ One instrument reads at many locations
- ◆ Contoured tape for accurate readings
- ◆ Audible (buzzer) and visual (light) water level alert signals
- ◆ Sensitivity adjustment for variations in water conductivity

Main Specifications

Model	BSIL-W7
Range	30, 50, 100, 150, 200 m
Resolution	±1mm
Repeatability	±3mm
Probe Diameter	16mm
Working Temperature	-10 to + 60°C
Consumption	9V/5mA (operation), 9V/5μA (standby)
Power Supply	6F22, 9V battery

Operation

The Water Level Meters use corrosion proof stainless steel probes attached to permanently marked flat tape, fitted on a well-balanced reel. They are powered by a standard 9 volt battery.

The probes incorporate an insulating gap between electrodes. When contact is made with water, the circuit is completed, activating a loud buzzer and a light.

The water level is then determined by taking a reading directly from the tape at the top of the well casing or borehole. A sensitivity control allows the buzzer to be turned off while in cascading water, and ensures a clear signal in both high and low conductivity conditions.



International
Geotechnical
Instrumentation
Specialists

Beijing Soil Instruments Limited
Add: Rm. 302, No. 9 HangFeng Road,
Science & Technology Zone
Fengtai 100071 Beijing, China

Phone: +86-10-63780922
Fax: +86-10-63780622
Http://www.bsil.com.cn
Email: info@bsil.com.cn

