

SPOHR Lightweight Water Level Meter

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SPOHR Lightweight Water Level Meter

Spohr Lightweight Water Level Meters are designed for fast and reliable measurements of water levels in wells, boreholes, observation tubes, tanks, surface water, etc.

The Water Level Meters feature a compact, lightweight plastic reel and frame, making them easy to transport and use in the field.

The sturdy construction benefits from a Spoehr polyethylene flat tape, proven to be durable and accurate with markings up to every millimeter.

This Spoehr Water Level Meter with a plastic reel is a lightweight alternative to Spoehr meters that use galvanized steel reels.

Water Level Meter Mode of Operation

The Water Level Meters use a corrosion-resistant probe connected to permanently marked flat tape, mounted on a sturdy reel. They are powered by a single standard 9V battery.

As soon as the zero-point of the probe contacts the water surface a circuit is completed. This sets off a bright LED indicator and audible buzzer simultaneously on the reel.

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

High Quality Water Level Meter Design

With a convenient carrying handle and sturdy frame, the free-standing reels are ergonomically designed for ease of use. They are constructed with a very durable, lightweight plastic. The battery is located in an accessible drawer in the front of the reel, allowing quick replacement. The reels are equipped with a light, buzzer, and brake.

Features & Benefits

- Lightweight reel made of robust plastic
- Compact size:
 - Dimensions: 31cm high, 23cm wide and 16cm deep
 - Weight: 100m device is about 3kg
- Proven Spoehr Polyethylene tape with easy-to-read permanent gradations
- Available with 15m, 30m, 50m, 80m, or 100m tape lengths
- Easy-to-replace 9V battery
- Bright light and audible signal

Water Level Meter Applications

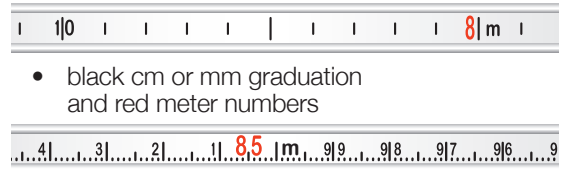
- Monitoring domestic water well levels
 - helps maintain supply levels
 - can signal any issues with the well or pump
 - gains data that may be required for reporting
- Well Driller and Contractor tools
 - measure water levels during various points of well construction and development
 - monitor water levels during pumping and other well tests
 - obtain data for drilling logs
- Hydrogeological investigations and research
 - measuring levels/head helps determine groundwater elevation and the direction of flow
 - get insight on groundwater recharge and discharge
 - provides data during aquifer characterization tests

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High Quality Polyethylene Flat Tape

The Lightweight Water Level Meter uses high quality polyethylene flat tape that features two high-tensile stainless steel conductors. The tape is permanently heat-stamped with black markings each centimeter or millimeter, and red markings each meter. Tapes are available in 15m, 30m, 50m, 80m, and 100m lengths.

The tape runs smoothly on the reel, is flexible and hangs straight in wells. The rounded edges reduce adherence to wet surfaces. The stainless steel conductors provide strength and are non-stretch. The tape is easy to repair and splice.



Water Level Meter Weights: 15m=1,6kg, 30m=1,9kg, 50m=2,2kg, 80m=2,7kg, 100m=3,0kg

Corrosion-resistant Probe

The probe is shielded in design to reduce or eliminate false readings in cascading water. The probe consists of a corrosion-resistant body with stainless steel electrode and a flexible tape seal. The standard probe diameter is 15mm. A special 12mm diameter probe is also available.



Optional Accessories

- Screw-in **ground sensors** for measuring the bottom of wells
- Screw-in **probe tips with snap-hook** to attach plummets or bailers
- **Extra 250 gram weight**
- For transportation and protection of the water level meters, an optional **carrying case** is available

Other Water Level Meters

Spohr also offers Water Level Meters with galvanized steel reels in various sizes, with multiple tape length and marking options. A handheld reel is also available.

