



Solinst®

Water Level Meter

Model 101B Data Sheet

Basic Water Level Meter

Model 101B

The Solinst Model 101B Water Level Meter is designed to be an economical and basic, yet durable instrument to measure groundwater levels. It is ideal for measuring depth to water in wells, boreholes, standpipes, and tanks.

Also available from Solinst, are the Standard Model 101 Water Level Meters that feature a laser marked PVDF flat tape, and the Model 102 Coaxial Cable Water Level Meters. Both options allow shut-off and sensitivity adjustment (See Model 101 and 102 Data Sheets).

Water Level Meter Operating Principles

The Model 101B Water Level Meter uses a solid stainless steel probe, connected to durable polyethylene flat tape. A standard 9 volt battery, housed inside the reel hub, powers the Water Level Meter. The electronics are coated for water resistance.

When the probe enters water, the electrical circuit is completed, sending a signal back to the reel where a light and clearly audible buzzer are activated. The water level is then determined by taking a reading directly from the tape at the top of the well casing or borehole.

Sturdy Reel and Handle

The Model 101B Water Level Meter has a sturdy frame and ergonomic handle for winding the tape. A brake is also included on the reel.

For convenience, there is also a probe holder on the front of the faceplate.



A convenient carry bag and Tape Guide are available as optional extras.

Robust, Accurate Probe

The Model 101B P1 Probe is made from durable stainless steel. It is designed to reduce false signals in cascading water, and is leak-proof.

Size: 12.7 mm wide, 102 mm long (1/2" x 4")

Effective Diameter: 16.5 mm (5/8")

Weight: 100 grams (3.53 ounces)



Heat Embossed Polyethylene Flat Tape

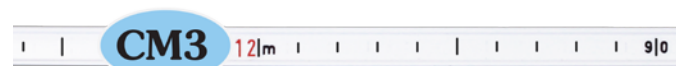
The Model 101B Water Level Meter uses high quality polyethylene flat tape with accurate heat embossed markings every centimeter and meter.

The 10 mm (3/8") wide tape reels smoothly, remains flexible, hangs straight in the well and is available in 30 m, 60 m, and 100 m lengths.

Seven stranded stainless steel conductors resist corrosion, provide strength and are non-stretch. The tape is very easy to repair and splice. The dog-bone design reduces adherence to wet surfaces.

CM3: Meters in red: with markings every centimeter.

Lengths: 30 m, 60 m and 100 m



Heat Embossed Markings Each Centimeter

Water Level Meter Features

- Low Cost** • Very affordable, high quality Solinst product
- Simple** • No buttons or controls to operate
• Reel is easy to wind
- Long Life** • Rugged, corrosion resistant components
• Strong, flexible tape is easily spliced
• Simple, leak-proof probe