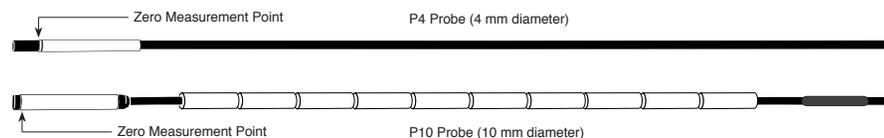
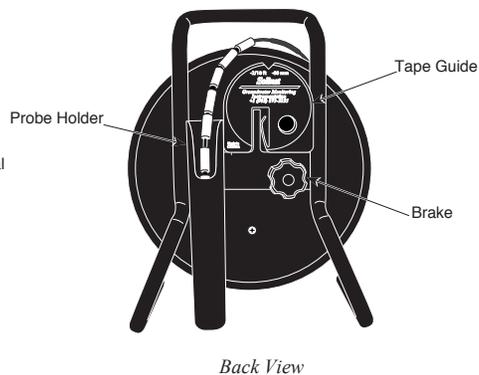
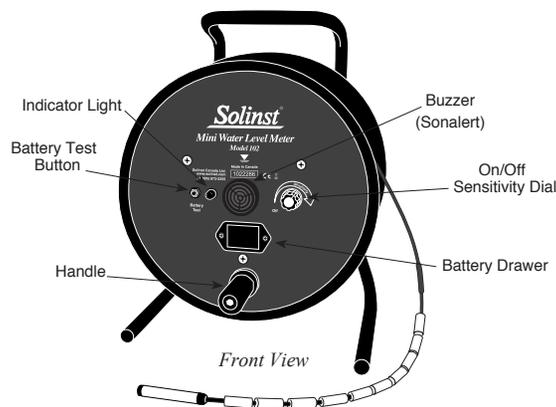


Model 102



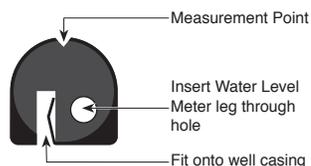
Equipment Check

1. Turn sensitivity dial **fully clockwise**.

Notes: 1. Clockwise rotation of sensitivity dial turns meter on and increases sensitivity.
2. Always set dial to highest sensitivity position, then decrease if necessary.

2. Depress the Battery Test button to test the battery and main circuitry (does not test the cable or probe).
3. Submerge the probe in tap water. This completes the circuit and activates the buzzer and light.

The Tape Guide



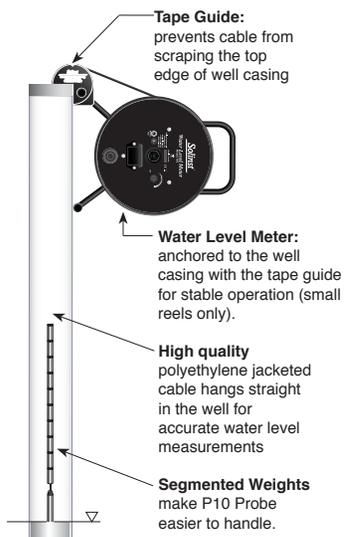
The Tape Guide has been designed to:

- Improve accuracy when reading water levels,
- Easily obtain repeatable measurements,
- Prevent cable damage on well casing,
- Allow the cable and probe to hang straight from the side of the well.

1. Fit the small end of the Tape Guide onto the edge of well casing 2" dia. or larger.
2. For small reels, insert the leg of the Water Level Meter into the hole on the Tape Guide and rest the Water Level Meter on the side of the well casing. (See diagram at right).
3. To store the Tape Guide after taking water level measurements, simply clip it onto the support bracket located on the back of the Water Level Meter.

Water Level Measurements

1. The zero measurement point on both P4 and P10 Probes is near the tip.
2. For ease of operation the Tape Guide can be used to support the Water Level Meter. (See diagram below).
3. Feed the cable into the well. The light and buzzer activate when the probe tip enters water. To ensure accuracy, lower and raise the probe a few times and then record the depth measurement from the cable at the top of the well.
4. When using the Tape Guide, the measuring point is offset from the top of casing. To adjust your measurements to the top of the casing, simply subtract the amount indicated on the front of the Tape Guide (ie 6 cm or 2/10 ft)



Routine Care

1. After the depth to water has been recorded, the cable should be carefully rewound onto the reel, the probe wiped dry and placed into the probe holder.
2. The probe, weights, cable and reel can be wiped clean with phosphate free (non-abrasive) detergent and warm water. Do not submerge the reel.
3. Use of a Water Level Meter Carrying Bag adds to the service life of the meter.
4. Use of the Tape Guide adds to the life of the cable.

Replacement Parts

The following parts can be provided should components become lost or damaged.

1. Splice kits
2. Lights, dials, etc.
3. Reels and/or faceplates
4. Replacement cable with probe (complete)
5. Assembled probes on 10 ft or 3 m lengths of cable
6. Weights

Battery Replacement

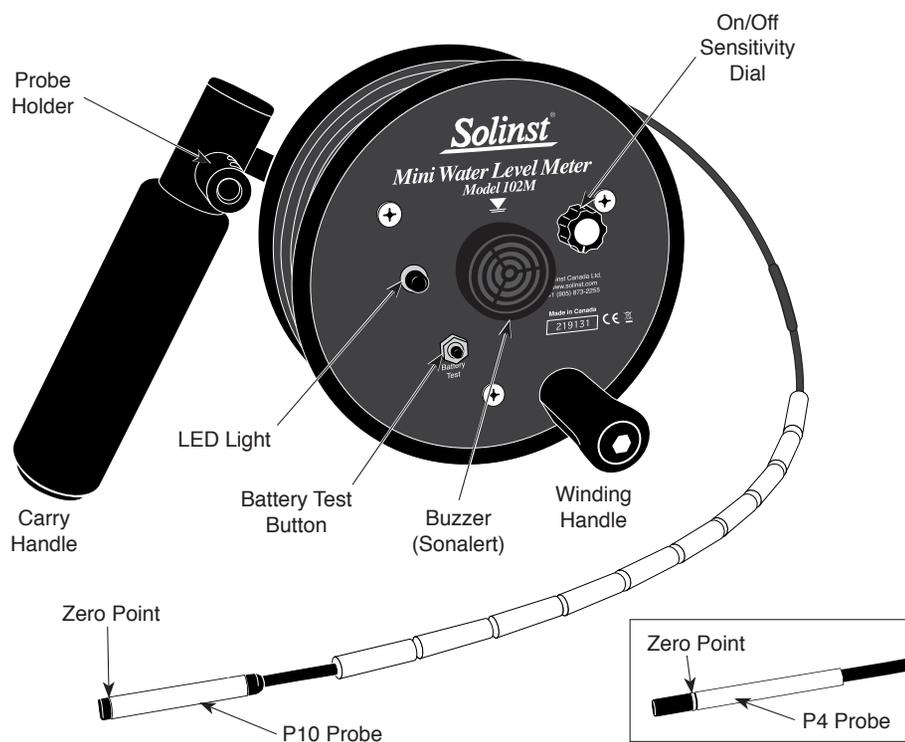
- Battery type - alkaline, 9 volt.
1. The battery is housed in a convenient battery drawer located in the faceplate of the Water Level Meter.
 2. To replace the battery, simply press the drawer in, lift, then pull.
 3. The battery drawer should slide out of the faceplate enough to pull it out.
 4. Note the polarity. The positive (+) terminal should be towards the small notch in the end of the drawer. Place new battery in the drawer and slide it back into the faceplate.

Troubleshooting

SYMPTOM	CAUSE	REMEDY
No sound when probe immersed in water.	Dead battery.	Replace with 9V Alkaline.
	Water Conductivity is very low.	Increase sensitivity dial setting (turn clockwise) or call Solinst for assistance.
	Disconnected wires on circuit board.	Check all connections inside hub of reel for loose/disconnected wires - solder or reconnect.
	Broken wire in cable.	Locate break in cable - splice and seal, or replace. (Contact Solinst)
Instrument continuously sounds after being immersed in water.	Disconnected wire inside probe.	Contact Solinst to obtain parts/repair instructions.
	Water in probe. Probe may be dirty which could interfere with the circuit connection.	Contact Solinst for instructions to clean or replace the probe.

Solinst® Mini Water Level Meter: Op Instructions

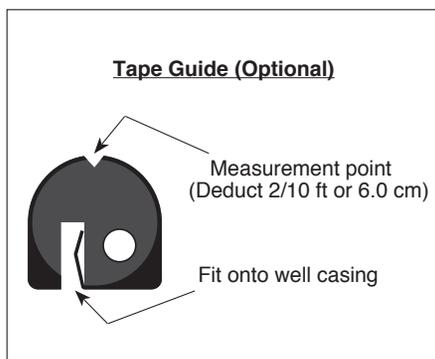
Model 102M



Available Probes: P4 (4 mm diameter - no weights) & P10 (10 mm diameter)

Water Level Measurements

1. The zero measurement point on both P4 and P10 Probes is near the tip.
2. Feed the cable into the well. If a tape guide is used, lay the cable onto the groove on the top. Measurements will be read at the point of the V-notch on the tape guide. Remember to deduct 2/10 ft or 6.0 cm.
3. The light and buzzer activate when the probe tip enters water. To ensure accuracy, lower and raise the probe a few times and then record the depth measurement from the cable at the top of the well.



Equipment Check

1. Turn sensitivity dial **fully clockwise**.

Notes: 1. Clockwise rotation of sensitivity dial turns meter on and increases sensitivity.
2. Always set dial to highest sensitivity position, then decrease if necessary.

2. Depress the Battery Test button to test the battery and main circuitry.
3. Submerge the probe in tap water to test the probe. This completes the circuit and activates the buzzer and light.

Routine Care

1. After the depth to water has been recorded, the cable should be carefully rewound onto the reel, the probe wiped dry and placed into the probe holder.
2. The probe, weights, cable and reel can be wiped clean with phosphate free (non-abrasive) detergent and water. Do not submerge the reel.

Battery Replacement

- Battery type - alkaline, 9 volt.
1. The battery is housed within the faceplate of the reel.
 2. Using a Phillips screwdriver, remove the three screws on the faceplate.

3. Carefully remove the faceplate so as to not unwind the cable. Note that there is an elastic band keeping everything together in the faceplate.
4. While leaving the elastic band in place, replace the battery.
5. Carefully place the faceplate back onto the hub and line up the holes.

Note: Before screwing the faceplate back onto the hub, make sure no wires are outside the hub.

6. Once the screws have been tightened and the faceplate is secure, test the water level meter.

Replacement Parts

The following parts can be provided should components become lost or damaged.

1. Splice kits
2. Lights, dials, etc.
3. Reels
4. Replacement cable with probe (complete)
5. Assembled probes on 10 ft or 3 m lengths of cable
6. Weights

Troubleshooting

SYMPTOM	CAUSE	REMEDY
No sound when probe immersed in water.	Dead battery.	Replace with 9V Alkaline.
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