

# Solinst® Mini Water Level Meter: Op Instructions

Model 101M

## Equipment Check

1. Turn Sensitivity Dial fully clockwise.

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

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

## Routine Care

1. After the depth to water has been recorded, the tape should be carefully rewound onto the reel, the probe wiped dry and placed into the probe holder.
2. The probe, tape and reel can all be cleaned with phosphate free (non-abrasive) detergent and water.

## Battery Replacement

- battery type - alkaline, 9 volt.

**Note:** Before replacing the battery, ensure the tape is fully wound onto the reel, the probe is in the probe holder, and the brake has been applied.

1. The battery is housed within the faceplate of the reel.
2. Using a flat headed screw driver, remove the three screws on the faceplate.
3. Carefully remove the faceplate so as to not unwind the tape. Note that there is an elastic band keeping everything together in the faceplate.
4. While leaving the elastic in place, replace the battery.
7. 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.

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

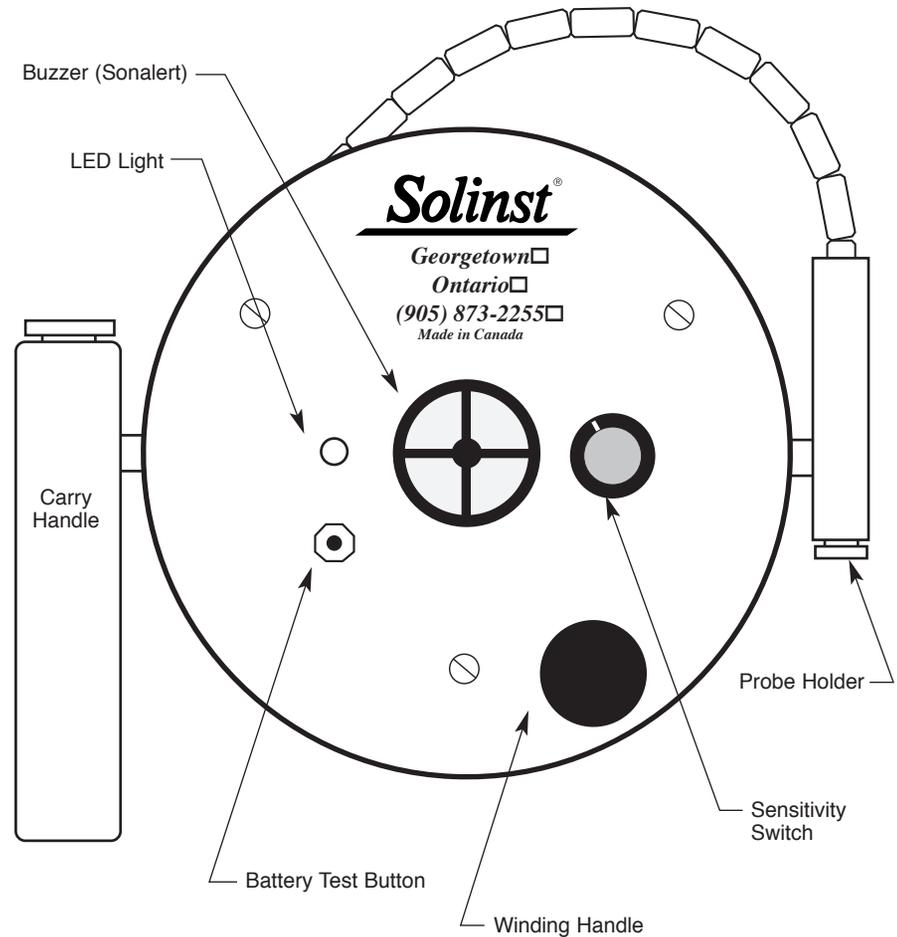
## Replacement Parts

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

1. Probe and seal kit
2. Splice kits
3. Lights, switches, etc.
4. Reels
5. Replacement tape with probe

SYMPTOM	CAUSE	REMEDY
No sound when probe immersed in water.	Dead battery.	Replace with 9V Alkaline.
	Water conductivity is very low.	Increase sensitivity switch 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 tape.	Locate break in tape - splice and seal. (Contact Solinst)
	Disconnected wire inside probe.	Contact Solinst to obtain parts/repair instructions.
Instrument continuously sounds after being immersed in water.	Water in probe. Probe may be dirty which could interfere with the circuit connection.	Contact Solinst for instructions to remove, clean and reseal.

## Model 101M Mini Water Level Meter



June 22, 2006

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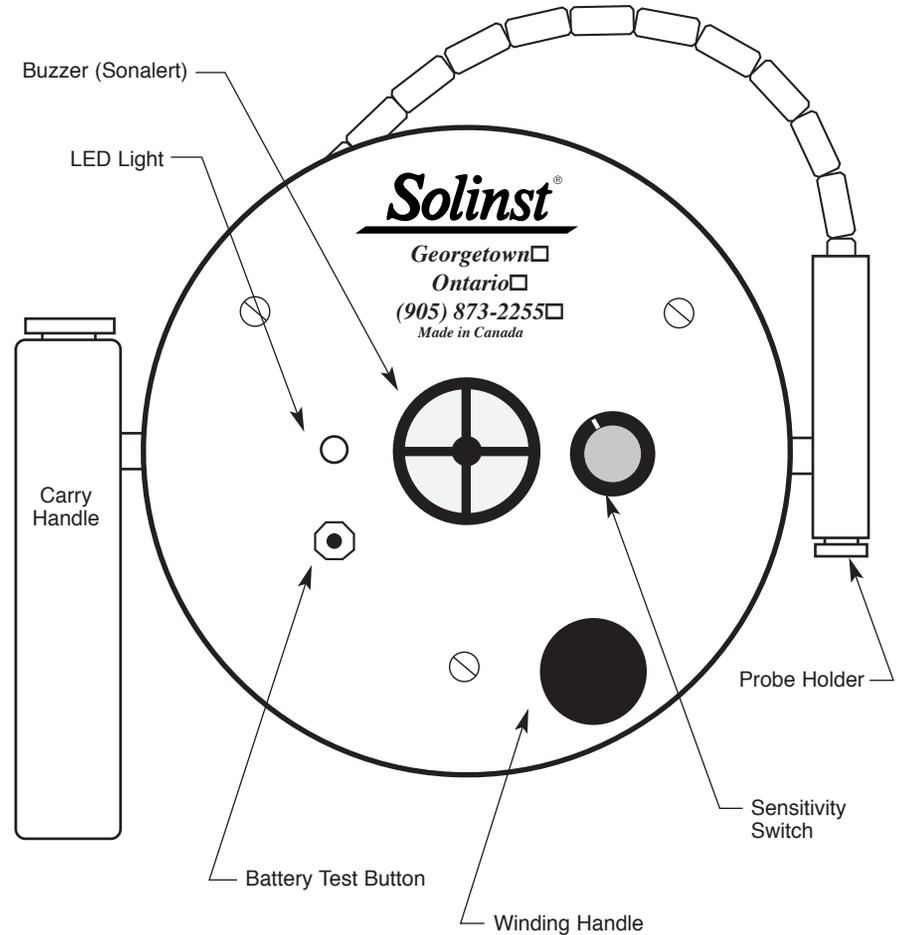
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