

# WL650 Sonic Water Level Meter

Polluted Well Level Sounder and Depth Measuring Meter



- Fast accurate water level measurements in seconds
- Avoid cross contamination
- No equipment to clean
- Ignore distance option
- Gain/Sensitivity option
- Works in cased steel or PVC capped wells, partially cased rock wells, crooked wells and wells with pipes, wiring and operating pumps.

## Description

Global Water's WL650 Sonic Water Level Meter is a self-contained, battery operated meter that uses sound waves to measure well water level. Fast, accurate measurements are possible in the field or anywhere, without the use of down-hole probes or instrumentation. The unit is light in weight, compact, versatile and easy to operate.

### Operation

The meter is simple to operate. Select either the NORMAL (10-500 feet) or DEEP (200 to 1500 feet) setting on the DEPTH switch. Then to measure a capped well, simply insert the duct into the access port and push the power-on switch. In a few seconds the water level will appear on the digital display. In the NORMAL setting, the sonic sounder stays activated for 5 seconds or 5 pings. Using the DEEP mode the level sounder emits 4 pings in 16 seconds. For more measuring time, hold the switch down as long as necessary.

For uncapped wells, use the provided cover plate. It slips onto the measuring duct and provides a seal for up to 6 inch diameter casings. Cover plates for larger diameters can be easily fabricated from plastic or metal sheet.

## Specifications

*Measurement range:* Normal 10-500 ft (3-152 m), Deep 200-1200 ft (61-366 m)

*Display resolution:* 0.1 ft

*Measurement accuracy:*  $\pm 0.2$  ft (0.5 cm) for water level less than 100ft (30.5 m),  $\pm 0.2\%$  of reading greater than 100ft (30.5 m)\*

*Operating temperature:* 30 to 140° F (-1 to 60° C)

*Power:* 8 AA dry cell batteries

*Dimensions (LxHxW):* (excluding sonic measuring duct) 7x4x5 in (18x10x13 cm)

*Sonic measuring duct diameter:* 5/8 in (16mm)

The hole diameter must be at least large enough for 1/2 inch pipe thread.

*Sonic measuring duct length:* 2 in (5 cm)

*Weight:* 3 1/2 lbs. (1.5 kg)

\* Under certain conditions, accuracy may exceed this limit; when the well casing is discontinuous; when the well casing is highly corroded or rough; when large obstructions e.g. pipe joints or wiring exceed half the area of the well casing; if the well casing is less than 2 inches or greater than 10 inches in diameter

## Options and Accessories

**WL650** Sonic Water Level Meter

**WL610** Case for Sonic Water Level Meter

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