



Water Level Meters



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Above: Front and back views of a 50m Water Level Meter with Thermistor option.

For convenient and accurate measurement of elevation of groundwater in boreholes, standpipes and wells, the latest Water Level Meters from RST Instruments showcase an improved set of features over previous models:

- An ultra-wide conductivity range allows for use in different liquids ranging from pure water to neat cement grout.
- Rugged design for the most adverse conditions.
- A multi-functional, single button control interface.
- Frontal battery compartment needs no tools.
- Auto buzzer and battery level check at start up.
- Auto OFF.
- Thermistor option also available.

RST Water Level Meters employ a high accuracy, NIST traceable, non-stretch, flat tape, permanently marked in 1 mm or 1/100 ft. graduations. Water Level Meter tapes are available with either a polyethylene or Tefzel® coating for corrosive fluids.

The RST Water Level Meter is supplied on a sturdy winding reel complete with a brake and carrying handle. Features include a shrouded stainless steel probe (allows accurate level determinations under cascading water conditions), light, buzzer, and sensitivity control as standard. An optional tape guide/datum acts as a reference point and also prevents tape abrasion from the casing edge. The moisture resistant electronics and standard 9V battery are housed in the front for quick and easy access.

operating principle

A two conductor cable serves to both lower the probe and connect the probe to the output circuit board. An insulating gap in the probe serves as a switch, closing upon contact with the water. This signal is amplified and fed to the light/buzzer thereby signaling contact with the water. Elevation of the water table is then read directly from the tape. Since the water acts as the electrolyte, a sensitivity adjustment is provided to compensate for varying conductivity.



Water Level Meters shown on optional Power Reels.



Close-up of power button and battery compartment.

applications

Measuring the elevation of groundwater in standpipes, boreholes, and wells.

features

Resolution 1 mm or 1/100 ft.

NIST traceable, non-stretch steel tape, Tefzel® or polyethylene coated.

Easy electronics removal/battery replacement (standard 9 V).

7 strand, 24 gauge stainless steel conductors.

13 mm / 0.5 in. O.D. stainless steel probe. (16 mm / 0.625 in. O.D. on dual scale tapes).

Sensitivity adjustment, light, buzzer, test switch.

Sensing point at bottom of probe causes negligible water displacement ensuring high accuracy readings.

Tape markings will not fade or wear away.

Optional temperature sensor and readout.



specifications + ordering info

Water Level Meter



specifications

TAPE LENGTH ** CONTACT RST FOR ADDITIONAL LENGTHS **	PART #		PROBE SIZE
	POLY TAPE	TEFZEL® TAPE	
15 m	WL1015	WL3015	13 mm / 0.5 in. O.D.
30 m	WL1030	WL3030	13 mm / 0.5 in. O.D.
50 m	WL1050	WL3050	13 mm / 0.5 in. O.D.
75 m	WL1075	WL3075	13 mm / 0.5 in. O.D.
100 m	WL1100	WL3100	13 mm / 0.5 in. O.D.
150 m*	WL1150	WL3150	13 mm / 0.5 in. O.D.
200 m*	WL1200	WL3200	13 mm / 0.5 in. O.D.
250 m*	WL1250	N/A	13 mm / 0.5 in. O.D.
300 m**	WL1300	WL3300	13 mm / 0.5 in. O.D.
50 ft	WL2005	WL4005	13 mm / 0.5 in. O.D.
100 ft	WL2010	WL4010	13 mm / 0.5 in. O.D.
150 ft	WL2015	WL4015	13 mm / 0.5 in. O.D.
200 ft	WL2020	WL4020	13 mm / 0.5 in. O.D.
250 ft	WL2025	N/A	13 mm / 0.5 in. O.D.
300 ft	WL2030	N/A	13 mm / 0.5 in. O.D.
400 ft*	WL2040	WL4040	13 mm / 0.5 in. O.D.
500 ft*	WL2050	WL4050	13 mm / 0.5 in. O.D.
1000 ft**	WL2100	WL4100	13 mm / 0.5 in. O.D.

Alternate tape lengths available upon request.

* Mounted on a medium sized reel.

** Mounted on a large sized reel.

accessories

ITEM	PART#
Aluminum carrying/shipping cases: 300 m / 1000 ft. 150 m, 200 m, 250 m, 400 ft., 500 ft.	ICA0321 WL6504
Soft vinyl carrying case.	WL6506
Tape guide/datum.	WL6500
Electronic module replacement.	WL6540
Replacement tapes with probe.	Contact RST for more information.
Power reel.	Contact RST for more information.
Digital temperature readout.	

ordering info

Part number / tape length.

Temperature option, if required.

Accessories required.



Optional for permanent installation:
Water Level Probe model with electronics
and battery housed in a waterproof box.
Contact RST for details.

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