

Water Level Measuring Instruments

Water level Indicator/Sounder (RKWLI-02)

Product Description

Monitoring of ground water cable has assumed great significance in view of depleting ground water reserves. The basic measurement of ground water level can be done by Open Stand pipe or constructing observation wells. **R.K. Engineering Corporation** Model **RKWLI-02** water level sounder is widely used for measurement of water level in boreholes, wells, casagrande piezometers and standpipes. It is accurate, robust, light weight and convenient to use.



Image Water Level indicator

Operating Principal

Model **RKWLI_02** water level sounder comprises of a probe, graduated cable and cable reel. The unit is battery operated complete with an on-off switch, buzzer, LED for power on and signal, flat cable connected to probe, winding reel and easy to grip carrying handle. The probe is of stainless steel construction with a diameter of 14 mm. The slim size of probe makes the unit suitable for narrow bore holes also. The probe consists of two electrodes with an insulating gap between them.

When tip of probe comes in contact with water inside a bore hole, standpipe or well, the circuit is completed giving a sound alarm and a light signal. The elevation of water is then directly determined by noting the tape reading that coincides with the top of the borehole, stand pipe or well. The moisture resistant electronics, a high volume buzzer and a standard 3 V battery are housed in a hub on the cable reel. The hub can be easily removed to replace the battery or check the electronic without disassembling the entire cable reel.

A locking arrangement is provided on the reel to prevent cable from unwinding, whenever necessary.

A threaded cap is provided at the bottom of the probe. Remove the cap provides access to clean the insulation between the two electrodes of any undesirable conducting material that may deposit from the ground water on the insulation.

Description

The cable of the model **RKWLI_02** water level indicator is made of high tensile virtually non-expendable, non-stretch, PU insulated Coaxial laser marked cable. The length of the cable is commensurate with the depth up to which the observation is required to be made.

The cable has integral mesh under the PU insulation and having a tinned copper wire for current transmission. The two conductor cable serves to lower the probe and also to connect the probe to the output circuit board. The permanent marking on the tape is available in meter with a resolution of 1 mm.

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Specification Of Water Level Indicator

TAPE LENGTH 'L' (m)	30,50,100,150,200,300 meter
Resolution (tape length in m)	1 mm (marking in each mm)
Cable	High tensile virtually non-expandable, non-stretch, PU material Coxiable round Lazer marked Cable
Cable Size	3.6 mm round cable
Probe	12.7 mm diameter (Non corcosive nickeled)
Power Supply	9 V
Audio Signal	Sound buzzer
Visual Signal	Green LED light Signal
Power Signal	Red LED for Power ON

Features

- Low Cost, Reliable and Accurate
- Simple to read, with audio and visual green LED Signals.
- Portable, light weight and easy to carry.
- Flat cable with steel graduated tape is high tensile, virtually non-expandable, water proof and corrosion resistant.
- Tape graduation available in meter with resolution of 1cm.
- Tape locking arrangement provided.

Application

- Measurement of water level in stand pipes, Casagrande piezometer, borehole and wells.
- Ground water level measurement in boreholes near dams, river high rise buildings, farm houses, factories, institutes and residential areas.
- Ideal for simple ground water level monitoring.

Representative



R.K Engineering Corporation

1080, salemipur Rajputana Industrial Area
Roorkee- Haridwar Uttarakhand INDIA

Email: rke_corp@rediffmail.com

Contact No. +91-9412070690/9536392101