Water Level Meter

LT-S0175 | Direct water level measurement with an electrical contact probe

Wells • Boreholes • Observation tubes • Pumping tests



Sound + Light

DUAL WATER CONTACT INDICATION

6 kg

APPROXIMATE INSTRUMENT WEIGHT

Direct readings in metres and centimetres from the graduated tape

LT-S0175

Photographs and Instrument Components

Graduated tape, contact probe and portable reel assembly

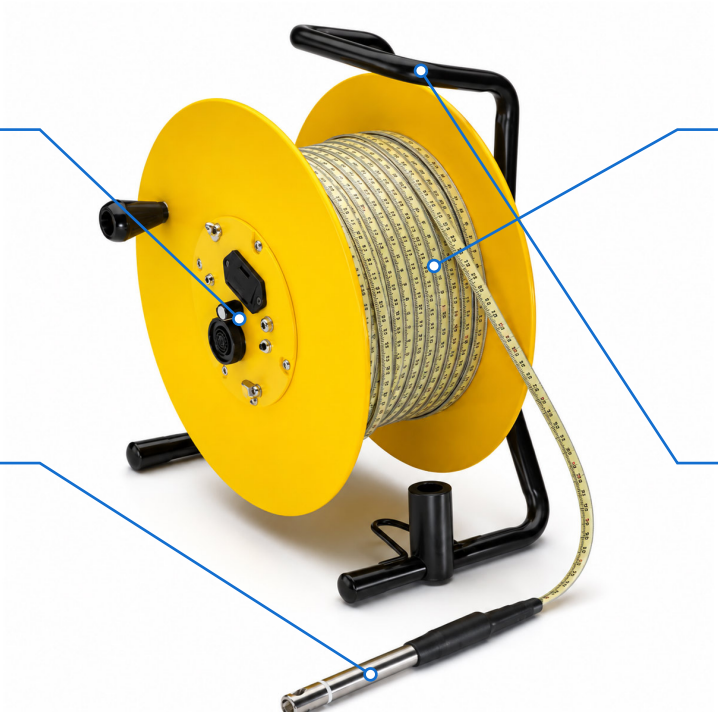
The Water Level Meter determines the depth to water in wells and boreholes. When the probe contacts water, audible and visual signals activate. The operator reads the depth from the tape at a fixed reference point.

SIGNAL AND CONTROL AREA

Water contact is indicated by an audible alarm and a visual indicator.

CONTACT PROBE

The electrical probe at the end of the tape detects contact with the water surface.



GRADUATED TAPE

Read depth directly from the tape markings in metres and centimetres.

PORTABLE REEL

The reel and carrying frame support lowering and retrieving the tape during field work.



Signal and control area on the reel



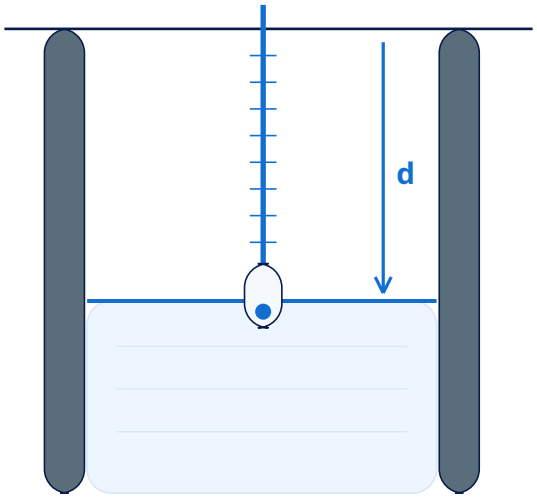
Graduated tape and water contact probe

LT-S0175

Water Contact and Reference Point Reading

Define reference • Lower probe • Observe signal • Record depth

LOCATING THE WATER SURFACE IN A WELL



d = DEPTH FROM REFERENCE TO WATER SURFACE

WATER CONTACT ACTIVATES SOUND + LIGHT

Read the tape at the fixed reference point

Record well ID, date, time and measured depth

REPRESENTATIVE WATER LEVEL MEASUREMENT SECTION • NOT TO SCALE

Define the Reference

Choose a fixed reading point at the well head. Use the same point for repeat readings.

Lower the Probe

Lower the probe into the well or observation tube. Observe the water contact signals.

Read and Record

Read the tape at the contact position. Record measurement time and well identification.

The measured value is the depth between the selected reference point and the water surface. Keep the reference point and measurement conditions consistent when comparing readings taken at the same well on different dates.

Wells, Boreholes and Observation Tubes

Use the meter to determine water levels in water wells, boreholes and observation tubes. Direct tape reading supports depth checks in the field.

For regular monitoring, record well identification, reference point, date, time and measured depth together. This allows changes at the same monitoring point to be tracked over time.

Water Level Monitoring During Pumping

Measure the initial water level before pumping starts. Take further readings at defined times during pumping to monitor changes in water level.

An increase in depth measured from the same reference indicates a lower water surface. Readings taken after pumping stops support observation of water level recovery.

Technical Specifications and Field Use

LT-S0175 | Electrical contact detection with direct tape reading

Parameter	Description / Specification
Product Code	LT-S0175
Measured Quantity	Depth from reference point to water surface
Detection Principle	Electrical contact probe
Audible Indication	Alarm when the probe contacts water
Visual Indication	Light signal on water contact
Reading Method	Direct reading from graduated tape
Reading Units	Metres and centimetres
Applications	Wells, boreholes, observation tubes and reservoirs
External Dimensions	25 × 25 × 25 cm
Approximate Weight	6 kg

Use the Same Reference Point for Repeat Measurements

Record depth with well identification and measurement time. Compare readings before, during and after pumping from the same reference point.

Water Level Measurement Workflow

01
Prepare
Identify the well and reference point.

02
Lower
Lower the probe gradually towards water.

03
Read
Read the tape on sound and light signal.

04
Record
Record depth and measurement time.

Product Page | liyatest.com.tr/en/urun/water-level-meter/