

WATER LEVEL METERS

DATASHEET W7

PRODUCTS



FEATURES

- Reliable, simple to operate and read.
- Components are resistant to corrosion and mechanical damage.
- One instrument reads at many locations.
- Flat tape for accurate readings.
- 1mm divisions.
- Lightweight, easily portable.
- Economic water level monitoring.



The Water Level Indicator (Dipmeter) can be used to measure the depth to water in standpipes, boreholes, wells or any situation where access is available directly above the point to be measured.

The probe is made of Stainless Steel for long effective life and is fitted with a flat tape which gives excellent reading accuracy ($\pm 1\text{mm}$). A drycell battery gives months of normal operation.

THE SOIL INSTRUMENTS WATER LEVEL METER

The Water Level Meter (Dipmeter) comprises a Stainless Steel sensor probe fitted to a flexible graduated cable, wound on a hand reel containing a transistorised switched circuit, audio indicator and battery.

The sensor probe incorporates an insulating gap which acts as a switch, the circuit being completed upon making contact with the water. Inside the hand reel is a sensitivity control which is adjusted to suit the water conductivity.

The cable comprises a nonstretch flat tape incorporating stranded steel conductors, graduated at 1mm intervals.

A slim line version of the water level meter is available.

Typical water level indicators are used in the measurement of water levels in wells, standpipes, boreholes and in soil and rock.

APPLICATIONS INCLUDE

SITE INVESTIGATIONS

- Water levels in open boreholes.
- Control of de-watering and drainage operations.
- Construction control and stability monitoring of dams, reservoirs and embankments.
- Hydrological and hydrogeological investigations of water resources.
- Stability investigations of natural and cut slopes.
- Pollution and environmental studies.
- In-situ permeability measurements and pumping tests.



FOR DETAILS ON:

Standard Piezometer, see data sheet W9.

Vibrating Wire Logger, see data sheet RO-1-VW-2.

VW Handheld Readout, see data sheet: RO-1-VW-3.

Terminal Boxes, see data sheet: RO-TB.

MODEL	W7-T-15	W7-T-12
Probe Type	Shrouded	Un Shrouded
Probe Diameter	16mm	12mm
Probe Length	230mm	170mm
Material	Stainless Steel	Stainless Steel
Tape Type	Contoured / Shaped Copper Conductors	Flat Copper Conductors
Tape Material	Steel / Polypropylene Coated	Glass Fibre Plastic Coated
Width	9.4mm	6.2mm
Graduations	mm/cm/m	cm/m
Indicators	Audio & Visual	Audio & Visual
Sensitivity Control	Internal	External
Battery Type	1xPP3 / 6LR61 / MNI604	2xAA / LRG / UM3
Reel Life	12 Hours Continuous Use	24 Hours Continuous Use
Reel Material	Steel Frame / Polypropylene Hub	ABS

LENGTHS

WEIGHT

30	1.7kg	N/A
50	2.0kg	2Kg
100	3.0kg	3.1kg
150	3.8kg	N/A
200	4.6kg	N/A

MODEL W7-T-15



MODEL W7-T-12



ORDERING INFORMATION

PART NO. DESCRIPTION

WATER LEVEL METER 12MM Ø PROBE

W7-T-12-50	Water Level meter - 50m Flat Tape, mm graduations
W7-T-12-100	Water Level meter - 100m Flat Tape, mm graduations

WATER LEVEL METER 16MM Ø SHROUDED PROBE

W7-T-15-30	Water Level Meter - 30m Flat Tape, mm graduations
W7-T-15-50	Water Level Meter - 50m Flat Tape, mm graduations
W7-T-15-100	Water Level Meter - 100m Flat Tape, mm graduations
W7-T-15-150	Water Level Meter - 150m Flat Tape, mm graduations
W7-T-15-200	Water Level Meter - 200m Flat Tape, mm graduations
W7-T-15-300	Water Level Meter - 300m Flat Tape, mm graduations
W7-T-15-500	Water Level Meter - 500m Flat Tape, mm graduations

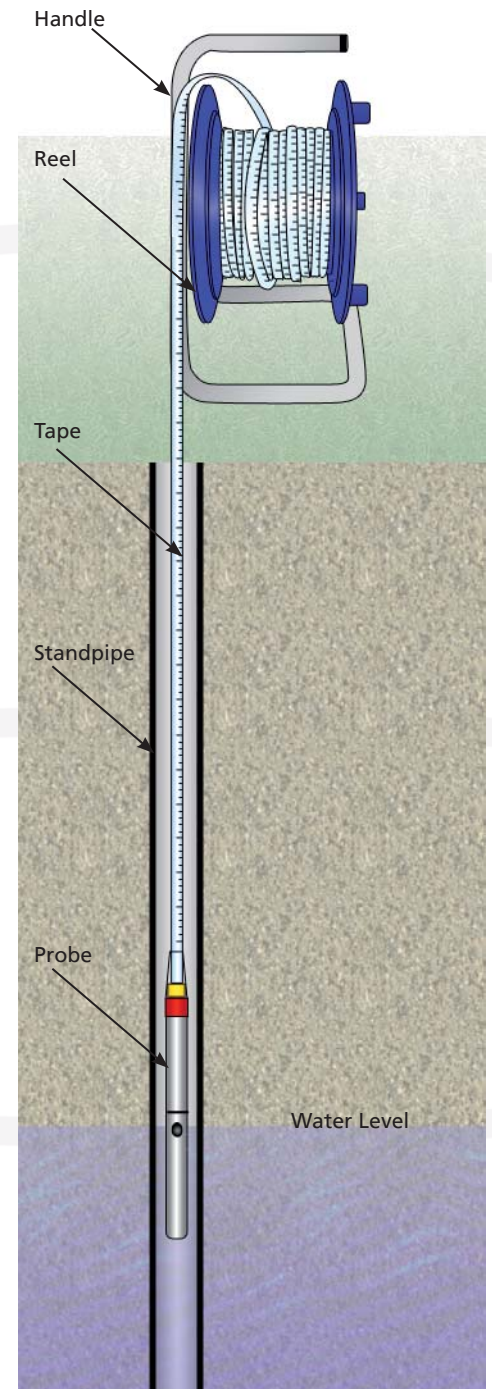
SPARES & ACCESSORIES 12MM Ø PROBE

W7-3.1	Additional Probe & 50m Tape
W7-3.2	Additional Probe & 100m Tape

SPARES & ACCESSORIES 16MM Ø PROBE

W7-4.1-30	Additional Probe & 30m Tape
W7-4.1-50	Additional Probe & 50m Tape
W7-4.1-100	Additional Probe & 100m Tape
W7-4.2	Populated Printed Circuit Board
W7-4.3	Battery
W7-4.4	Audio Indicator (Bleptone)
W7-4.5	Visual Indicator (LED Lens)
W7-4.6	Battery Press Stud Connector

W7-WATER LEVEL METER



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