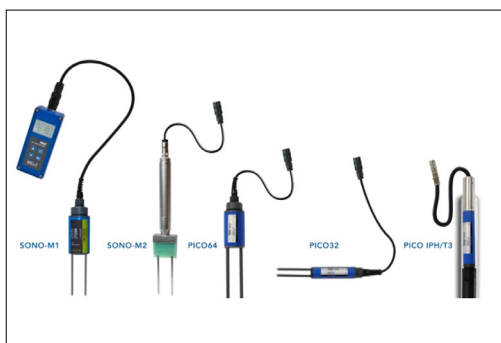
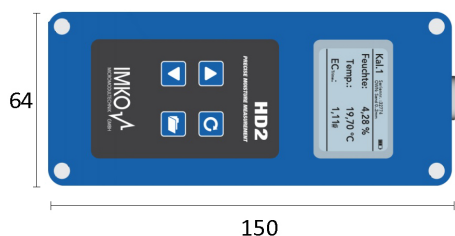


MOBILE MOISTURE METER HD2



Drawing



Features

- Mobile and rugged handheld device to read probes
- Handy two-rod probe with solid rods
- Measurement via TRIME® radar technology with an electromagnetic TDR impulse with 1 GHz to measure the water content precisely to material saturation
- Display of measuring value within two seconds
- Robust and watertight structure
- Probe can be connected to a PC for data collection, change of operation mode or calibration
- Delivery with a resistant hard shell case for trouble-free transport
- TRIME®-TDR Winner of multiple awards. Innovation awards, such as the Bauma Innovation Award 2016 and DLG Approved certification from the German Agricultural Society (DLG - 2018) it is unaffected by steam or changing particle sizes of sand and gravel

Technical data

Measuring range : depend on probe and materials calibration

Material type : all materials (depend on probe)

Connectable sensors : SONO-M1, SONO-M2, PICO64, PICO32, PICO-IPH

Resolution : 0.01%

Operating Temperature : -20...+70°C

Battery : Ni-MH (4 x 1.2Vdc) (AA), 2000mAh

Battery life : full battery for up to 1,500 measuring cycles sufficient.

Power supply (charging) : adapter +12...+15Vdc, approx. 1A

Charging time : At exhaustively discharged accumulator. 2h

Material : Robust aluminium diecast

Dimension : 36 x 64 x 150 mm (HxWxL)

Weight : 437g

Protection class : IP67



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AVAILABLE PROBE for HD2



PROBE	FEATURES
M1 Probe 	<ul style="list-style-type: none"> For measurement of the moisture content in sand, gravel, crushed stone and expanded clay, etc. Moisture range 0...100% H₂O (depending on materials) Conductivity range 0..5dS/m Temperature range -15...+50°C
M1C Probe 	<ul style="list-style-type: none"> For measurement of the moisture content in conductive material i.e. coal, iron oxide, fly ash, furnace slag, etc. Moisture range 0...50% H₂O (depending on materials) Conductivity range 0..12dS/m Temperature range -15...+50°C
TRIME-PICO64 	<ul style="list-style-type: none"> The best solution for heterogeneous and stony soils Measurement salinity Moisture range 0...100% H₂O (depending on materials) Conductivity range 0..50dS/m Temperature range -15...+50°C
TRIME-PICO32 	<ul style="list-style-type: none"> The best solution for sandy and loamy soils Measurement salinity Moisture range 0...100% H₂O (depending on materials) Conductivity range 0..50dS/m Temperature range -15...+50°C
TRIME-PICO IPH T3/44 	<ul style="list-style-type: none"> The best solution for Ideal for soils with high conductivity Measurement salinity Moisture range 0...100% H₂O (depending on materials) Conductivity range 0..50dS/m Temperature range -15...+50°C

MOISTURE PROBE SONO-M1



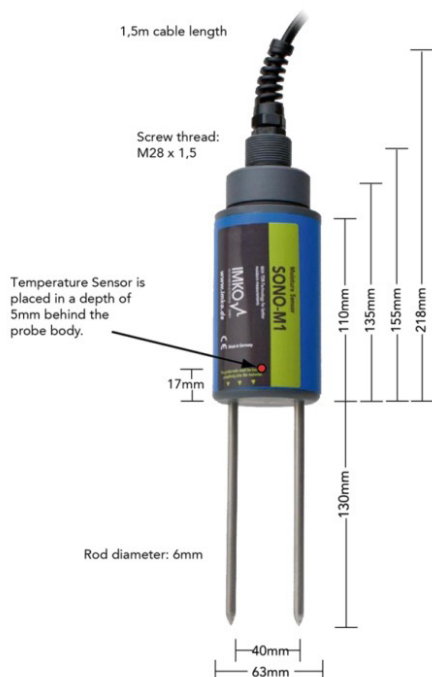
Features

- For measurement of the moisture content in sand, gravel, crushed stone and expanded clay and others.
- State-of-the-art sensor with integrated TDR-electronics
- Integrated Temperature Sensor
- Deployable up to 5dS/m total conductivity (Bulk-Soil-Conductivity)
- Measurement Volume approximate 1 liter
- Robust, proven, and suited for long-term usage
- TRIME®-TDR Winner of multiple awards. Innovation awards, such as the Bauma Innovation Award 2016 and DLG Approved certification from the German Agricultural Society (DLG - 2018) it is unaffected by steam or changing particle sizes of sand and gravel

Technical data

Measurement	Range	Accuracy
Moisture	0...100% H ₂ O (depending on materials)	±0.2%
Conductivity	0..5dS/m	±0.3%
Temperature	-15...+50°C	±0,5°C

Drawing



Material type : sand, gravel, crushed stone, etc.

Measuring technology : TRIME® (Time-Domain-Reflectometry with Intelligent Micromodule Elements)

Measuring principle : radar wave frequency 600MHz to 1.2 GHz

Measurement volume : approx. 1 liter

Operating temperature : -15...+50°C

Power supply : 7...24Vdc

Power consumption : 12Vdc, 100mA

Material probe body : waterproof seal PVC

Dimension : 155 x Ø63mm

Rod length : 130 mm

Rod diameter : 6 mm

Interface : 1,5m cable with 7-pin female connector

Protection class : IP68



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AVAILABLE MATERIALS for SONO-M1

The SONO-M1 is suited for measuring of low conductive materials.

- **Sand, gravel and minerals**

For example....



Sand



gravel



Crushed stone



Expanded clay



Furthermore, these materials that are shown, please do not hesitate to contact us for consulting