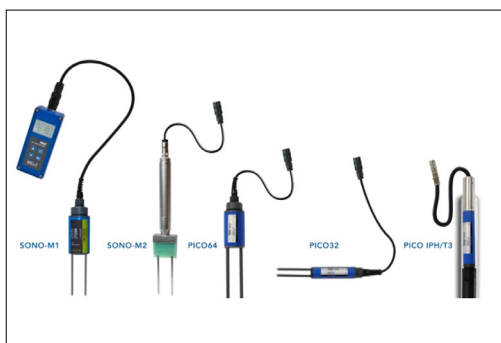
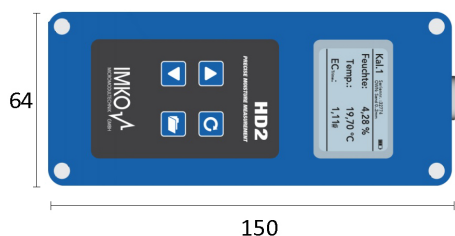


## MOBILE MOISTURE METER HD2



### 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



[www.omi.co.th](http://www.omi.co.th)

**Omega Measuring Instrument Co., Ltd.**

Tel : 02-105-4676






Fax : 02-903-0080 ext. 6867

Email : [info@omi.co.th](mailto:info@omi.co.th)

Line : @omith

## AVAILABLE PROBE for HD2



PROBE	FEATURES
<b>M1 Probe</b> 	<ul style="list-style-type: none"> <li>For measurement of the moisture content in <b>sand, gravel, crushed stone</b> and <b>expanded clay</b>, etc.</li> <li>Moisture range 0...100% H<sub>2</sub>O (depending on materials)</li> <li>Conductivity range 0..5dS/m</li> <li>Temperature range -15...+50°C</li> </ul>
<b>M1C Probe</b> 	<ul style="list-style-type: none"> <li>For measurement of the moisture content in conductive material i.e. <b>coal, iron oxide, fly ash, furnace slag</b>, etc.</li> <li>Moisture range 0...50% H<sub>2</sub>O (depending on materials)</li> <li>Conductivity range 0..12dS/m</li> <li>Temperature range -15...+50°C</li> </ul>
<b>TRIME-PICO64</b> 	<ul style="list-style-type: none"> <li>The best solution for <b>heterogeneous and stony soils</b></li> <li>Measurement <b>salinity</b></li> <li>Moisture range 0...100% H<sub>2</sub>O (depending on materials)</li> <li>Conductivity range 0..50dS/m</li> <li>Temperature range -15...+50°C</li> </ul>
<b>TRIME-PICO32</b> 	<ul style="list-style-type: none"> <li>The best solution for <b>sandy and loamy soils</b></li> <li>Measurement <b>salinity</b></li> <li>Moisture range 0...100% H<sub>2</sub>O (depending on materials)</li> <li>Conductivity range 0..50dS/m</li> <li>Temperature range -15...+50°C</li> </ul>
<b>TRIME-PICO IPH T3/44</b> 	<ul style="list-style-type: none"> <li>The best solution for <b>Ideal for soils with high conductivity</b></li> <li>Measurement <b>salinity</b></li> <li>Moisture range 0...100% H<sub>2</sub>O (depending on materials)</li> <li>Conductivity range 0..50dS/m</li> <li>Temperature range -15...+50°C</li> </ul>

## MOISTURE PROBE TRIME-PICO32



### Features

- For measurement of the moisture content in soil, sandy and loamy soils, etc
- Precise measuring results are guaranteed even in heterogeneous and skeletal soils
- Includes an integrated temperature sensor
- Operational up to more than 12dS/m soil conductivity
- Measuring volume 500 ml
- Installation could be vertically or horizontally
- 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
<b>Moisture</b>	0...100% H <sub>2</sub> O (depending on materials)	
<b>Conductivity</b>	0..12dS/m	±0.3%
<b>Temperature</b>	-15...+50°C	±1.5°C

**Material type :** soil, sandy and loamy soils, etc

**Measurement volume :** approx. 500 ml

**Operating temperature :** -15...+50°C

**Power supply :** 7...24Vdc

**Power consumption :** 12Vdc, 100mA

**Material probe body :** waterproof seal PVC

**Dimension :** 155 x Ø32 mm

**Rod length :** 110 mm

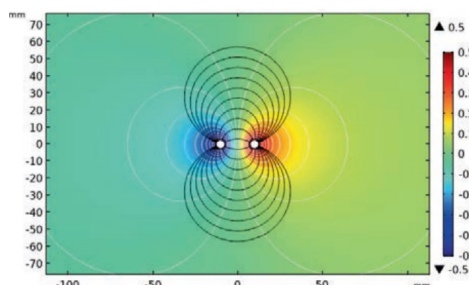
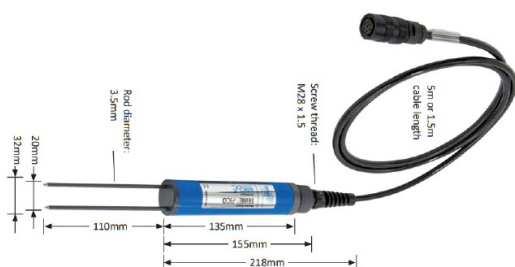
**Rod diameter :** 3.5 mm

**Interface :** 1.5m cable with 7-pin female connector

**Protection class :** IP68



### Drawing



Qualitative representation of the PICO32 measuring field distribution

[www.omi.co.th](http://www.omi.co.th)

**Omega Measuring Instrument Co., Ltd.**

Tel : 02-105-4676

Fax : 02-903-0080 ext. 6867

Email : [info@omi.co.th](mailto:info@omi.co.th)

Line : @omith

## AVAILABLE MATERIALS for TRIME-PICO32

The TRIME-PICO32 is suited for measuring of soil, sandy and loamy soils, etc

- **Soils**

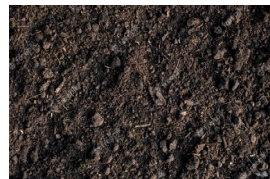
For example....



Soil



Sandy soil



Loam soil



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