

## MOISTURE PROBE SONO-M1

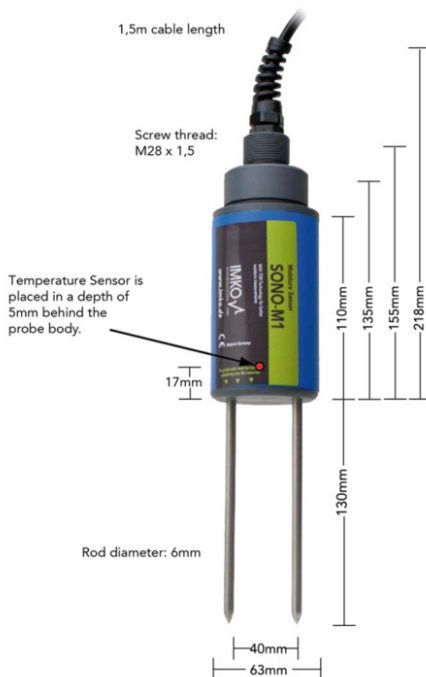


### Features

- 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



### Drawing



### Technical data

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

**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

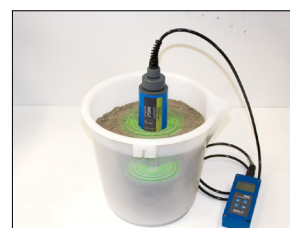
**Dimension :** 155 x Ø63mm

**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*