Technical Data Sheet

MOISTURE PROBE

SONO-M1

MADE IN GERMANY

Features

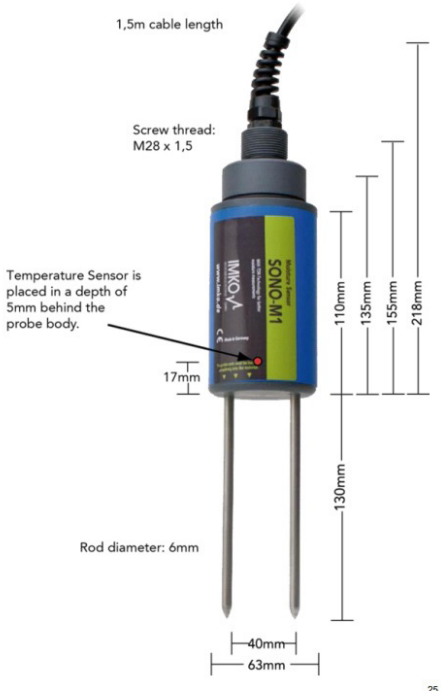
- For measurement of the moisture content in sand, gravel, crushed stone and expanded clay and others.
- State-of-the-art sensor with integrated TDR-electronics
- Integrated Temperature Sensor
- Deployable up to5dS/m total conductivity (Bulk-Soil-Conductivity)
- Measurement Volume approximate 1 liter
- Robust , proven, and suited for long-term usage
- TRIME®-TDR Winner of multiple awardes. Innovation awards, such as the Bauma Innovation Award 2016 and DLG Approved certificattion from the German Agricultural Society (DLG - 2018) it is unaffected by steam or changing particle sizes of sand and gravel

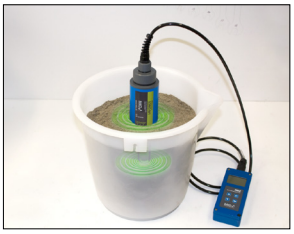
Technical data

Measurement	Range	Accuracy
Moisture	0...100% H_2O (depending on materials)	±0.2%
Conductivity	0..5dS/m	±0.3%
Temperature	-15...+50°C	±0,5°C

Material type : sand, gravel, crushed stone, etc.
Measuring technology : TRIME® (**T**ime-Domain-**R**eflectometry with **I**ntelligent **M**icromodule **E**lements)
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

Drawing





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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

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