

MOISTURE PROBE SONO-M1C

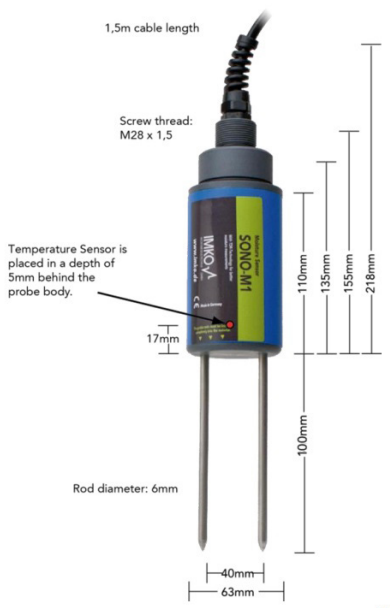


Features

- For measurement of the moisture content in coal, iron oxide, soils and sand containing clay, fly ash, sandstone, furnace slag and other materials
- State-of-the-art sensor with integrated TDR-electronics
- Integrated Temperature Sensor
- Deployable up to 12dS/m total conductivity (Bulk-Soil-Conductivity)
- Measurement Volume approximate 1000ml
- 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
Moisture	0...50% H ₂ O (depending on materials)	±0.2%
Conductivity	0..12dS/m	±0.3%
Temperature	-15...+50°C	±0,5°C

Material type : conductive material i.e. coal, iron oxide, 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 : 100 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-M1C

The SONO-M1C is suited for measuring of conductive materials.

- **Sand, gravel and minerals**

For example....



Stone coal



Iron oxide



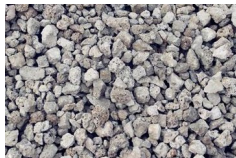
Ceramic powder



Clay soil



Fly ash



Furnace slag



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