

Soil Moisture Meter

for the measuring of soil moisture

soil moisture

easy to use



GENERAL INFORMATION

The art. 46908 is a digital instrument for the measuring of soil moisture. It has two options (ARGILLOSI / SABBIOSI) (CLAY / SANDY) because the clay soil has different electrical characteristics compare to the sandy soil.

The instruments has two probes: the moisture probe and a pointed temperature probe for the automatic temperature compensation (so it's possible to use the instrument only like a thermometer for checking the temperature in the soil or inside the fruit).

The use is very simple:

1. immerse the two probes in the soil at the roots level of your cultivation;
2. select your option;
3. read the result.

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TECHNICAL DATA

- Measuring range: 0-100 / -50;+150°C
- Power supply: 9V dry battery, duration about 100 hours with alkaline battery, auto power off after 5/6 minutes
- Moisture probe: stainless steel, diameter 6 mm, length 23 cm
- Temperature probe: PT100. Diameter 3mm, length 15 cm
- Working temperature: -5°;+50°C
- Dimensions and weight: 150x80x30h mm - 410 gr. with battery
- Optionals: moisture probes length 35 cm or 50 cm

MANUAL CALIBRATION

1. Choose a place where the soil has thin granulation;
2. Insert in the soil the moisture probe for 15 cm ;
3. Compress the soil close the probe for creating a good contact with the sensor;
4. Irrigate around the probe (30 cm radius) with low conductivity water (max 500 microsiemens) till the saturation of the soil;
5. Insert the temperature probe in the soil (at 20 cm distance at least from the moisture probe);
6. Press ON button;
7. Choose the type of the soil: clay (ARGILLOSI option), sandy (SABBIOSI option), with the SELECT button;
8. With a screw turn the trimmer on the right side of the instrument till the display show 100;
9. Now the instrument is calibrate for that kind of soil;
10. For cultivation in greenhouse put the soil in a vase and follow from step 2.

Note: after a ferti-irrigation with high value of conductivity re-calibrate the instrument

BUTTONS

- ON/SELECT: Switch the instrument on / Change the options: clay soil (ARGILLOSI), sandy soil (SABBIOSI), and temperature (°C)
- OFF: Switch the instrument off

WARNING

- If the instrument is not be used for a long time the battery must be removed
- If the battery is flat it must be replaced immediately
- Clean the probes after use