

THERMO MULTI

Product code: 003429



Main features

- High accuracy : $\pm 0.1^{\circ}\text{C}$
- Robust
- Compatible with all types of soil
- Easy to install

THERMO MULTI is a multi-level probe for measuring soil temperature. It consumes very little energy, is reliable, easy to install using an electric or thermal auger, and requires no maintenance. It has all the necessary features to meet the expectations of meteorological services.

The sensing elements of **THERMO MULTI** allow to measure the temperature at 6 different depths (from -5cm to -100 cm). This sensor is ideal for agricultural applications!

Automatic

Using the SDI-12 protocol, P4-100 datalogger regularly requests **THERMO MULTI** to collect data. Data can then be transmitted to the data receiving server.

Easy to install

THERMO MULTI is easy to install. Using an electric or thermal auger. Its small diameter allows not to disturb the ground too much during the installation.

Robust

THERMO MULTI is very robust. Perfectly waterproof and made of fiberglass-reinforced plastic, the probe can be installed in all types of soil. Its stainless steel rings

protect the sensitive elements.

Its cable can be protected in a metallic sheath in order to connect it directly to the PULSIA structure of the station.

Accuracy

THERMO MULTI accurately measures soil temperature with a precision of 0.1°C to follow WMO recommendations.

General information

Measurements

Resolution	0,03 °C
Accuracy	±0,1°C (0 to 30°C) ±0,2°C (-20 to 50°C)
Range of measurements	-20°C to +50°C
Output	SDI-12
Measuring depths (WMO compliant)	-5 cm, -10 cm, -20 cm, -30 cm, -50 cm, -100 cm

Dimensions

Length	1035 mm
Diameter	Ø 20 mm

Other

Connector	M12
IP Class	IP67
Material	Glass fiber reinforced plastic (GRP), Stainless steel rings

Data generated* (WMO Compliant)

Instantaneous soil temperature (°C)

Maximum soil temperature (°C)

Minimum soil temperature (°C)

*Data generated by the data logger P4-100

Accessories

- 1 Metal sheath to protect the cable
- 2 Ground stake
- 3 Square plug to enter the cable in the PULSIA structure

