

Mod. **SOIL-PRO-T**

Soil Temperature Profiler Probe

Highlighted specs

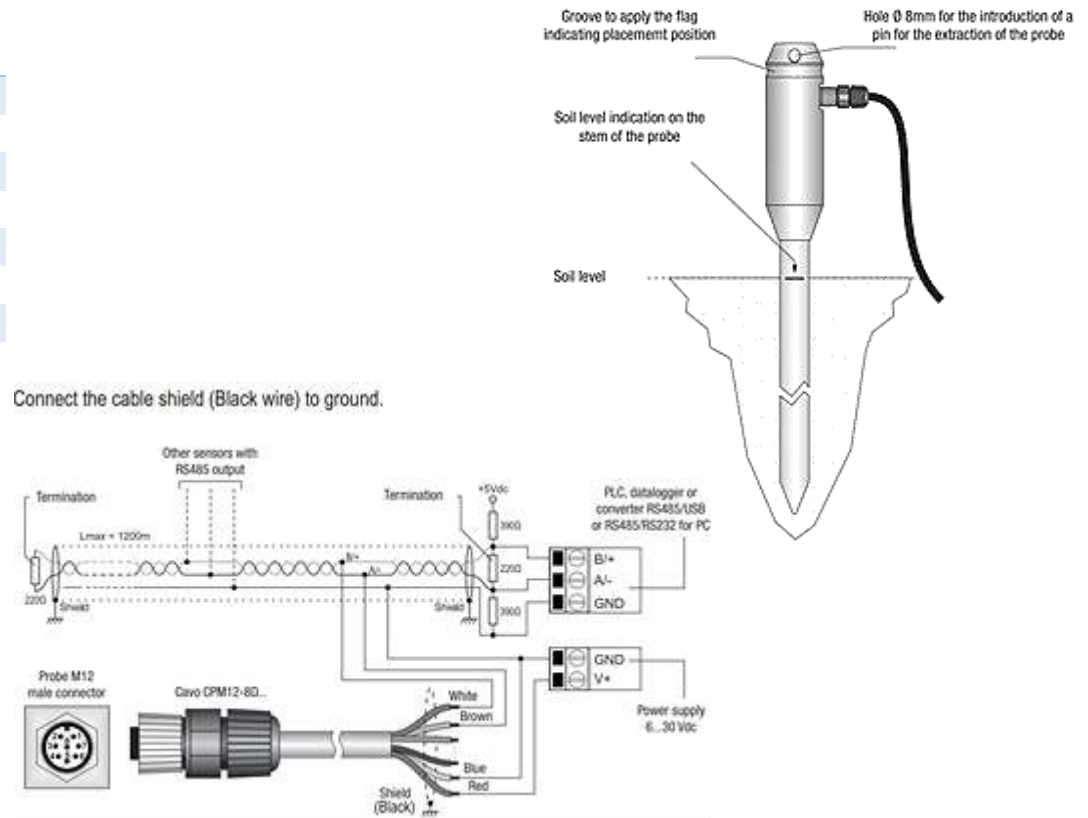
- High precision soil temperature profile sensor
- Seven PT100 1/3 DIN sensors for measuring the temperature at depths: +5 cm, 0, -5 cm, -10 cm, -20 cm, -50 cm, (-100cm on request) from ground level, according to WMO
- It comes in temperature 0.003% / ° C @ 20 ° C
- Power supply 6 ... 30 Vdc
- Consumption 5 mA @ 12 Vdc
- Connection 8-pin male connector
- IP 68 protection rating

The **SOIL-PRO-T temperature probe** is equipped with **seven Pt100 1/3 DIN sensors for temperature measurement** at depths of: +5 cm, 0, -5 cm, -10 cm, -20 cm, -50 cm, -1 m from ground level, according to the World Meteorological Organization (WMO) indications. The fiberglass tube ensures **perfect impermeability and high thermal insulation** along the vertical axis. The **RS485 digital output with MODBUS-RTU protocol** allows to use very long connection cables. It can be connected to Nesa TMF/Evolution data loggers or to any datalogger with RS485 MODBUS-RTU input. The connector on the probe handle allows easy connection to the cable. The standard cable length is 5m, terminated with free wires.

Sensors	Pt100 1/3 DIN
Accuracy	± 0.1° C @ 0° C
Resolution	0.01° C
Temperature drift	0,003% /°C @ 20°C
Signal output	RS485 output with MODBUS-RTU protocol
Working conditions	-40°c ÷ +85°C
Power supply and consumption	6...30 Vdc, 5mA @ 12 Vdc
Protection rating	IP 68

Size and connections

Pin	Wire	SOIL PRO T
1	- Power supply	Black
2	+ Power supply	Red
3	-	-
4	RS485 A/-	Brown
5	RS485 B/+	White
6	-	-
7	-	-
8	-	-



Order Code

Sensor	Soil Profiler Probe	SOIL-PRO-T	
	Accessories	CS05 – Cable 5m sensor-datalogger	05
		CS10 – Cable 10m sensor-datalogger	10

*specify the length for no standard measures

example of order code

SOIL-PRO-T

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