Mod. SST

Soil Surface Temperature Sensor

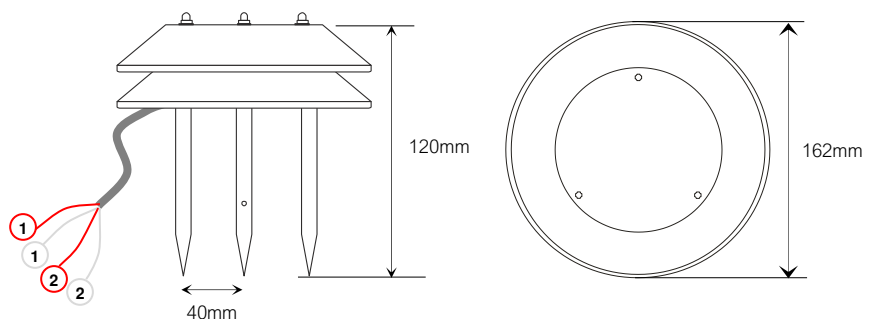## (grass level temperature)

Highlighted specs

- Accurated and reliable soil Temperature Sensor
- Limited dimensions and weight
- Measure with Platinum resistance Pt100 1/3 DIN
- Compact and light design in aluminium
- WMO standards and EN 15518-3:2011 compliant
- Accuracy ≤ 0,1°C
- According to CE norms

RTD sensing element **1/3DIN Pt100**, with four-wire connection, Pt100 output or electrical signal in current or voltage (4 to 20mA or 0 ÷ 2Vdc), or in digital output on RS485/Modbus (with external interface). The sensing element is protected by a series of screens against direct sunlight and UV radiations, arranged to guarantee a natural ventilation to ground level. Its particular white reflective colour, cancels the warming effect induced on the sensing element, ensuring maximum accuracy. The sensor is manufactured **according to WMO** (World Meteorological Organization) standards.

Typical range	-40 ÷ +60°C (other ranges available)
Resolution	0.01°C
Accuracy	DIN 43760 1/3 DIN (±0.1°C @ 0°C) ACCREDIA certificate available
Response time	<10s
Type of transducer	Platinum resistance 1/3 DIN
Ventilation	Natural
Signal output	Pt100 1/3DIN resistance (100Ω @ 0°C)
Working conditions	-60°c ÷ +80°C
Protections	Polarity reverse and transient
Made of	Aluminium alloy, stainless steel screws
Power supply and consumption	10÷30Vdc, (typ.<0.1W, max 2W@12Vdc mod. TAV)
Weight	700g

Size and connections

Pin	SST-N (cable)
1	Pin1 Pt100a
1	Pin1 Pt100a
2	Pin2 Pt100a
2	Pin2 Pt100a

Order Code

Sensor	Soil Temperature Sensor	**SST**		
Output	Natural		N	
Accessories	CS05 – Cable 5m sensor-datalogger CS10 – Cable 10m sensor-datalogger CSxx – Cable xx* m length, sensor-datalogger – to be specified at order			05 10 xx

*specify the length for no standard measures   example of order code   **SST**   **N**   **10**