

Mod. **TC**

Surface Contact Temperature sensor

Highlighted specs

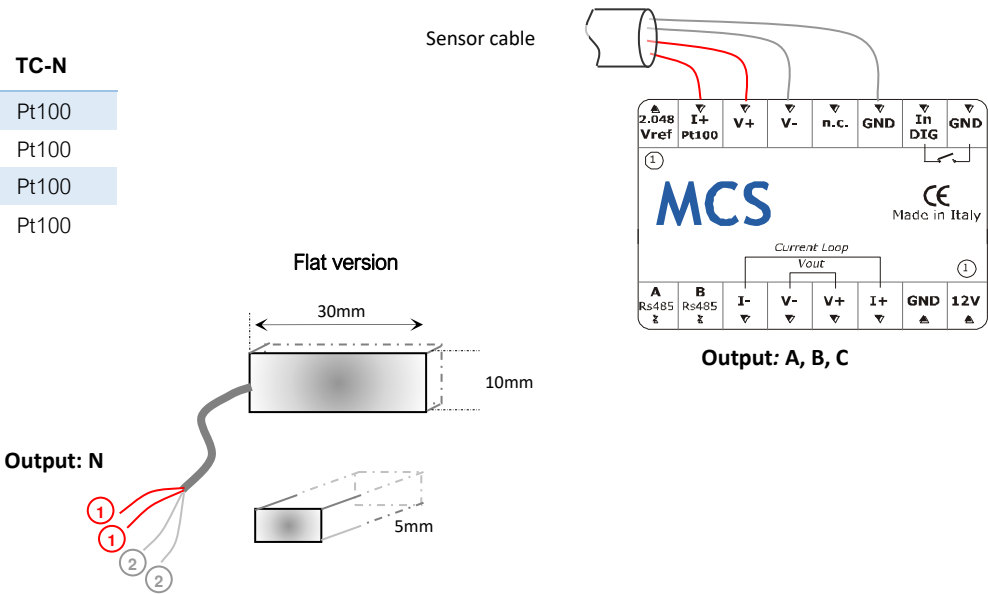
- Accurate and reliable surface contact Temperature Sensor
- Reduced dimensions and weight
- Measure with Platinum resistance Pt100
- Compact and light design in aluminium
- WMO standards compliant
- Accuracy ≤ 0,1°C
- According to CE norms

Sensor to measure the surface contact temperature with RTD **Pt100** 1/3DIN (100Ω @ 0° C) for specific applications as the measure of solar panels temperature or generic measures. Compact and strong, made of **aluminium** with **IP66** flat surface and / or adhesive. Easy to interface with any data logger. Available with electrical signal output in current or voltage (4 to 20mA or 0 ÷ 2Vdc or **RS485/ModBus** - MCS option).

Typical range	-40 ÷ +60°C (others on request)
Sensitivity	0.01°C
Accuracy	DIN 43760 1/3 DIN (±0.1°C @ 0°C)
Response time	< 10s
Type of transducer	Platinum resistance 1/3DIN
Signal output	RTD Pt100 4 wires (0÷2Vdc or 4÷ 20mA, digital RS485 Modbus command line only with MCS option).
Working conditions	-60 ÷ +100°C
Protections	Polarity reverse and transient
Made of	Aluminium
Power supply and consumption	10÷30Vdc, (typ.<0.01W)
Weight	<10g (sensor)

Size and connections

Pin	Wire Option 1	Wire Option 2	TC-N
1	Red	White	Pt100
2	Red	Black	Pt100
3	White	Red	Pt100
4	White	Blu	Pt100



Order Code

Sensor	Surface Contact Temperature Sensor	TC		
Output	0÷2Vdc (MCS option)		A	
	4÷20mA (MCS option)		B	
	RS485 / Modbus (MCS option)		C	
	Natural (Pt100)		N	
Accessories	CS05 – Cable 5m sensor-datalogger			05
	CS10 – Cable 10m sensor-datalogger (standard length)			10
	CSxx – Cable xx* m length, sensor-datalogger – to be specified at order			xx

*specify the length for no standard measures

example of order code

TC A 10