Mod. **TT-TQ**

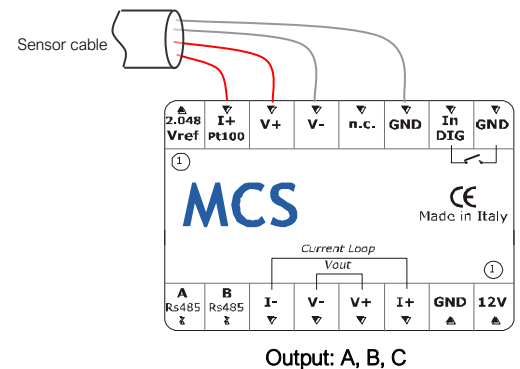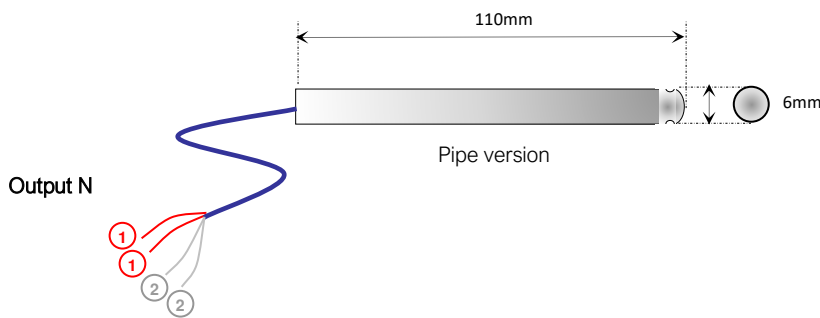## Soil or Water Temperature Sensor

Highlighted specs

- Accurate and reliable Soil/Water Temperature Sensor
- Compact dimensions and weight
- Measure with Platinum resistance Pt100
- Compact and light design in stainless steel
- WMO standards compliant
- Accuracy ≤ 0,1°C
- According to CE norms

Sensor to measure water or ground temperature with RTD **Pt100** 1/3DIN (100Ω @ 0° C) for agrometeorological applications and generic environmental measures. Compact and strong, made of **stainless steel** with **IP67** and **IP68.** Easy to interface with any data logger. Available in different lengths

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	< 15 s
Type of transducer	Platinum resistance 1/3DIN
Signal output	RTD Pt100 4 wires (0÷2Vdc or 4÷ 20mA, digital RS485 Modbus command line available)
Working conditions	-60 ÷ +100°C
Protections	Polarity reverse and transient
Made of	Stainless steel tube
Power supply and consumption	10÷30Vdc, (typ.<0.01W)
Weight	<50g

Size and connections

Pin	Wire	TT(TQ)-N
1	Red	Pt100
2	Red	Pt100
3	White	Pt100
4	White	Pt100

110mm

6mm

Pipe version

Output N

MCS

Made in Italy

Output: A, B, C

Order Code

Sensor	Ground Temperature Sensor (TT)	**TT**		
	Water Temperature Sensor (TQ)	**TQ**		
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			10
	CSxx – Cable xx* m length, sensor-datalogger – to be specified at order			xx
	Plastic tube for inground placing			
*specify the length for no standard measures		example of order code	**TT**	**A**	**10**