

Sensors:

PT100

PT1000

Ni120

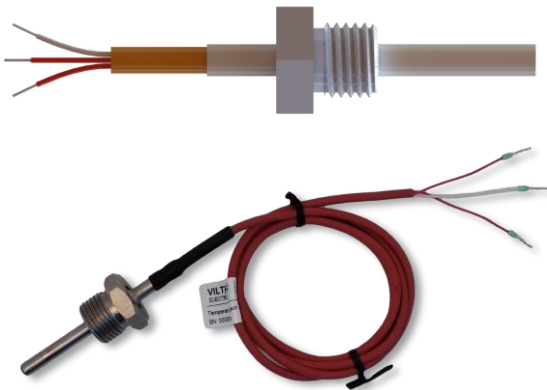
Ni1000

PTC

NTC

K type

J type



RoHS

FEATURES

- Made from AISI304 (1.4301) or 316L (1.4404) stainless steel
- Connecting cable: PVC, Silicone, PTFE, GLASS fiber or metal braiding
- Resistance thermometer class A or B, thermocouple 1 or 2 class
- For temperatures from -50 to +400 °C
- Single or double temperature probe
- Short response time
- 2-wire, 3-wire or 4-wire circuit
- Customer – specific thermowell lengths and diameter

TM-2 Temperature sensor with connecting cable has excellent price-performance ratio. The application areas can be in the air conditioning, refrigeration industry, in the construction of HVAC systems, laboratory technology or farming and agriculture. Water-proof (IP65) connection between thermowell and connecting cable. Connecting cable available with different insulating materials depending on application. Depending on the version, the connecting cables are suitable for dry or humid rooms with a temperature range between -50 to +400 °C.

Application

Water/Heat monitoring



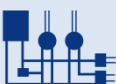
Marine



Laboratory



Heat substation metering



Machinery



HVAC



Solar power plant monitoring



Industrial monitoring



Commercial monitoring



Residential monitoring



Environmental monitoring

Industry



Agriculture



4-20mA
0-10V

4-20mA / 0-10V

PT100 / PT1000

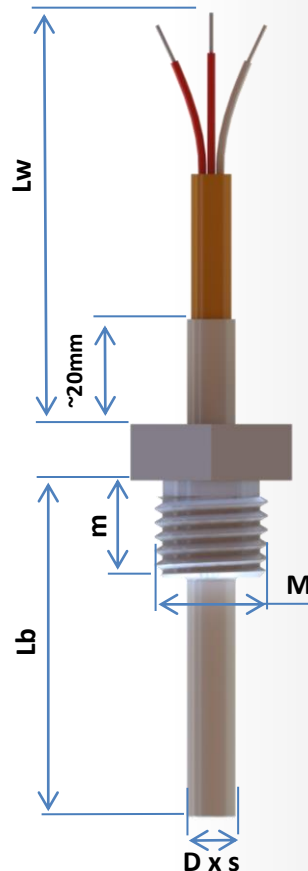
TECHNICAL SPECIFICATIONS

Description	TM-2 temperature sensor
Sensor	RTD (resistance) or thermocouple
Class	A or B (for RTD) and class 1 for thermocouple
Material	
Thermowell	AISI304 (1.4301) or 316L (1.4404) stainless steel
Cable	PVC, silicone, PTFE, GLASS fiber or metal braiding
Connection	
Circuit	2-wire, 3-wire or 4-wire circuit
Certifications	
	EN 61000-6-3:2007
	EN 61326-1:2006
	EN 61000-6-1:2007
	EN 61000-6-2:2005
Compatibility directives	EN 61326:2006
	EN 60751:2008
	EN 61515:1996
	EN 60584-2:1993
	EN 60584-3:2008
Physical characteristics	
Dimensions	100 ... 3000 mm
Weight	30 g
Protection type	IP65
Climate conditions	
Operating temperature	-50 to +400°C (depend of cable insulation)

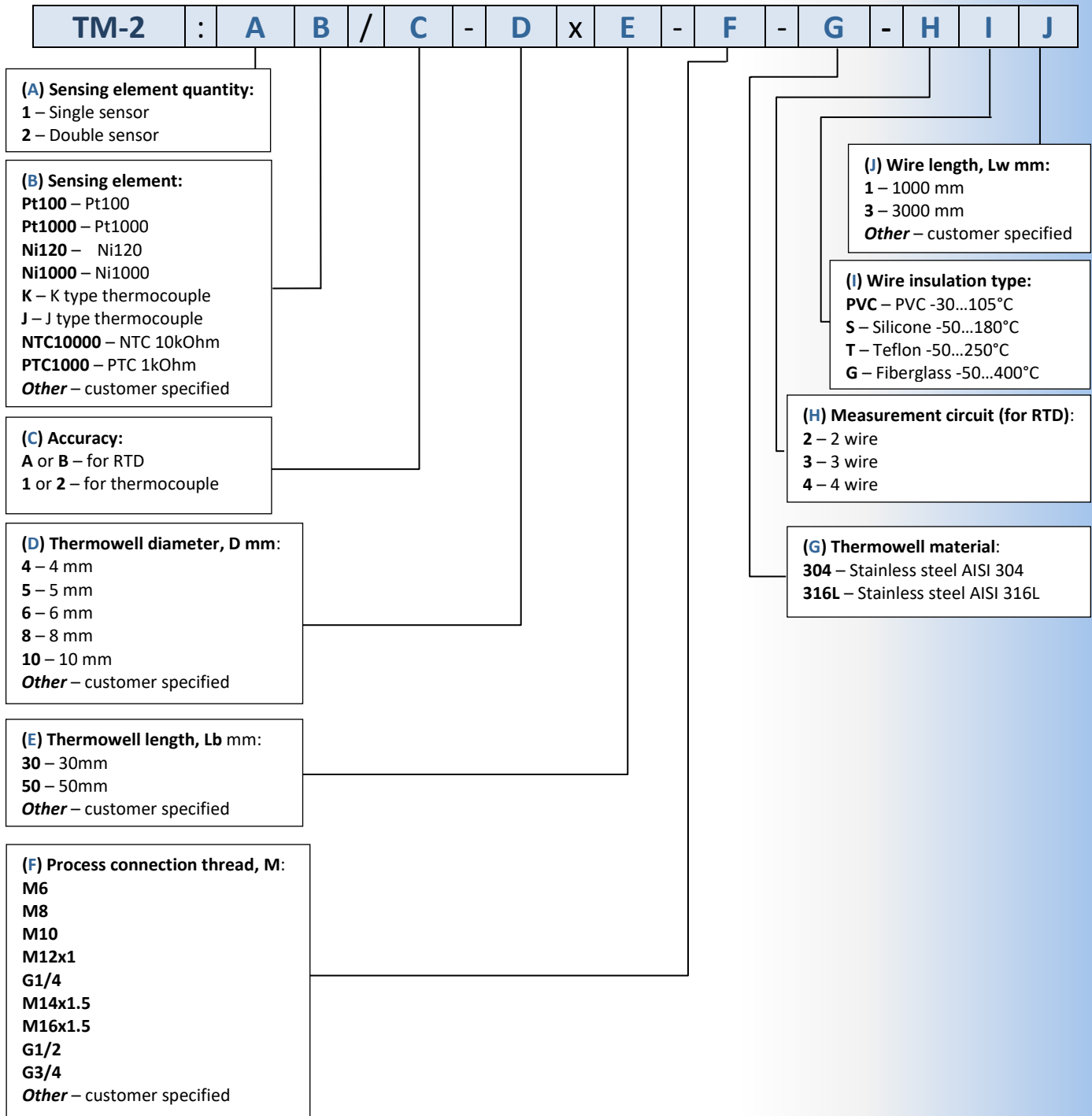
AVAILABLE THREAD AND TUBE SIZE

Thermowell size,		
D x s	M	m, mm
4x0.35	M6	7
	M8	7
4x1	M10	11
5x.035	M12x1	
6x1	G1/4	14
8x1.5	M14x1.5	
10x1.5	M16x1.5	15
12x2	G1/2	
14x2	M27x2	16
15x2	G3/4	

*D has to be smaller than M ($D < M$).



ORDERING CODE



e.g. **TM-2:1Pt100/B-5x50-G1/2-304-3S1** Temperature sensor **TM-2** with one **Pt100** class B sensor, protection tube \varnothing 5x50mm, **G1/2** thread, Stainless steel AISI **304**, measuring circuit **3** wire, lead wire type **Silicone** (temperature range **-50...180°C**), lead wire length **1m**.