

Sensors:

PT100

PT1000

Ni120

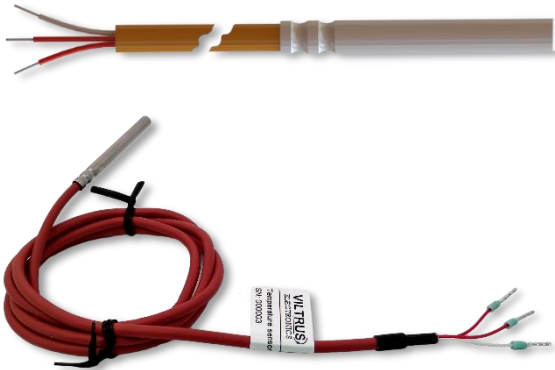
Ni1000

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 times
- 2-wire, 3-wire or 4-wire circuit
- Excellent price – performance ratio
- Customer – specific bush lengths and diameter

TM-1 Temperature sensor with connecting cable have excellent price-performance ratio. The application areas are in the air conditioning, refrigeration industry, in the construction of HVAC systems, laboratory technology or farming and agriculture. Water-proof (IP65) connection between bush 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

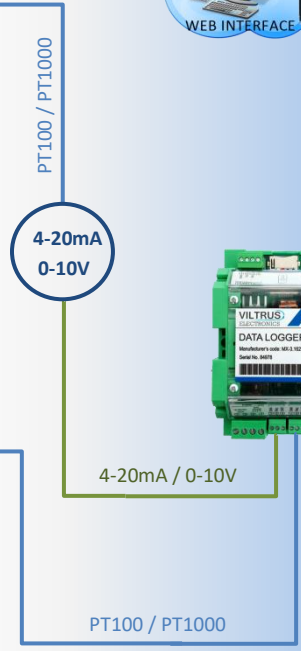
Residential monitoring

Environmental monitoring

Industry

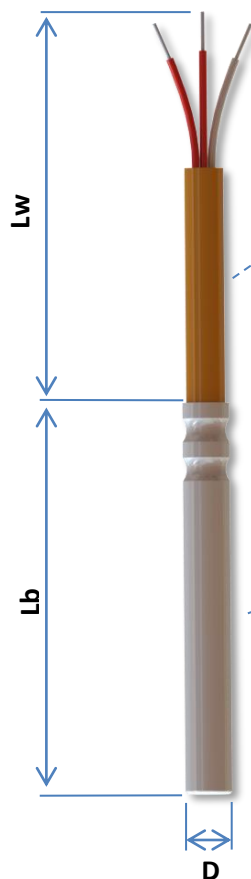


Agriculture



TECHNICAL SPECIFICATIONS

Description	TM-1 temperature sensor
Sensor	RTD (resistance) or thermocouple
Class	A or B (for RTD) and class 1 or 2 for thermocouple
Material	
Bush	AISI304 (1.4301) or 316L (1.4404) stainless steel
Cable	PVC, silicone, PTFE or GLASS fiber 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	20 ... 3000 mm
Weight	30 g
Protection type	IP65
Climate conditions	
Operating temperature	-50 to +400°C (depend of cable insulation)



Wire insulation:

PVC -30...105°C

Silicone -50...180°C

Teflon -50...250°C

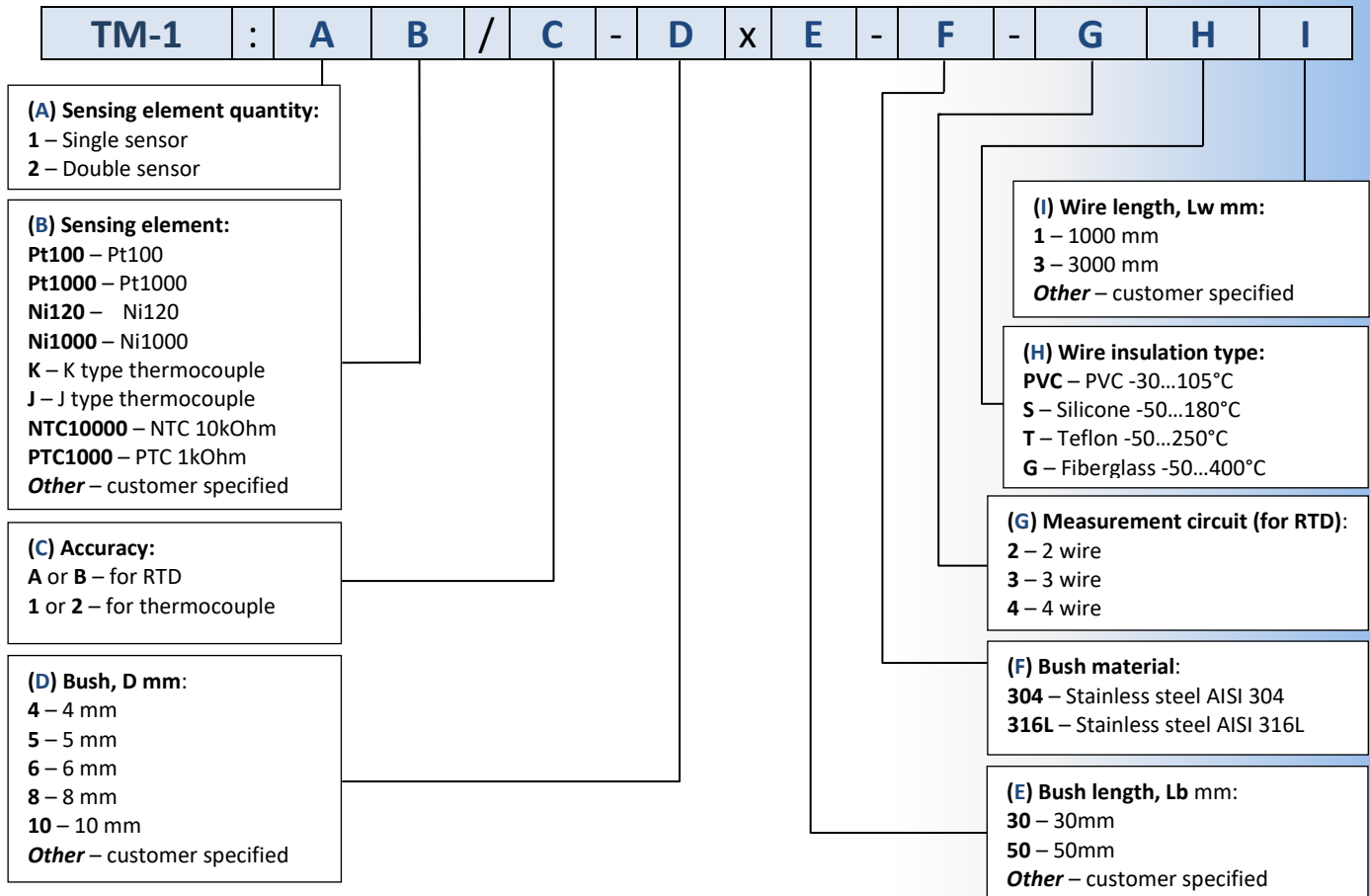
Fiberglass -50...400°C

Thermowell

Stainless steel
AISI 304

Stainless steel
AISI 316L

ORDERING CODE



e.g. **TM-1:1Pt100/B-5x50-304-3S3** Temperature sensor **TM-1** with one **Pt100** class B sensor, protection tube \varnothing **5x50mm**, Stainless steel AISI 304, measuring circuit **3** wire, lead wire type **Silicone** (temperature range **-50...180°C**), lead wire length **3m**.