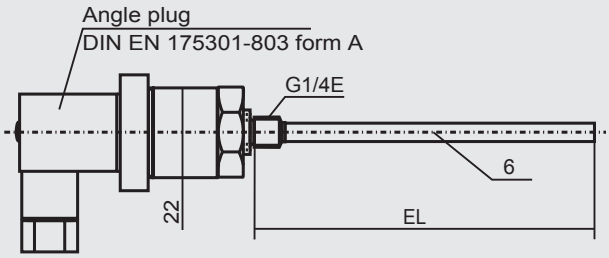
Temperature transmitter TS-TT

4 ... 20 mA or 0 ... 10 V DC output signal
Also available in Ex design



Description

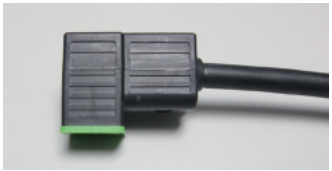
- Stainless steel housing, 1.4301
- G 1/4“ process connection as standard
- Immersion depths selectable
- Plug connector acc. to DIN EN 175301-803 form A
- Measuring range 0 … +100 °C, others on request
- Optional available in Ex design

The compact temperature transmitter is used for temperature measuring in liquids and gaseous media. Unit is used in operation areas such as pipes, containers, tanks and air-ducts.The measurement reading from the temperature dependent sensor is converted into an analog output signal of 4 … 20 mA or 0 … 10 V.
The sensor can be fitted directly to the process connection by screwing it into an appropriate female threading.There is also the option to vary the immersion depth by using a clamp connection.

Type designation: Example
TS-TT 10.0, 0-100˚C, G 1/2”A, 50 mm

Technical data	Type: TS-TT
Measuring range	0 ... +100 °C or -50 ... +50 °C, others on request
Material	Stainless steel 1.4301
Weight	~ 200 g
Operating voltage U_B	12 ... 30 V DC at 4 ... 20 mA output 14 ... 30 V DC at 0 ... 10 V DC output
Output signal	4 ... 20 mA, 2-conductor $R_A \leq (U_B\text{-}12\ V) / 20\ mA$ 0 ... 10 V DC, 3-conductor $R_A > 10\ k\Omega$
Total measurement error	< ± 0,4 % FS
Media temperature	0 ... +100 °C
Ambient temperature	-20 ... +80 °C
Storage temperature	-20 ... +80 °C
Plug connector	Acc. to DIN EN 175301-803 form E, (others on request)
Pressure resistance	40 bar
Protection class	IP 65

Assembled cable and connection accessories



Type	Length	Specification	Part No.: straight	angled
M12x1 (S763) 4- pin A coding max. torque 0,4-0,6 Nm	-	connector M12x1 for self-connection	1070039	1070038
	-	connector M12x1 self-connection, shielded	1070030	1070031
	2 m	cable: PUR	1070044	-
	5 m	cable: PUR, halogen-free	1070023	1070025
	5 m	cable: PUR, shielded, halogen-free	1070032	1070033
MVS / C, 3-pin +PE	3 m	cable: PUR, connector MVS / C	-	1070021

Special types upon request.