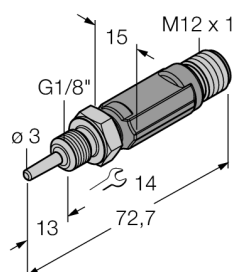
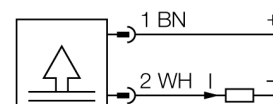


Temperature measurement miniature transmitter with integrated probe TTM050C-103A-G1/8-LI6-H1140-L013 -50...50°C



- Miniature design
- Analog output 4...20 mA
- Temperature range -50...50 °C

Wiring diagram



General description

The TTM miniature transmitters are available with integrated probe.

Due to the integrated electronics, the restricted temperature must be observed, especially in the area around the M12 connector.

The LI6 type provides an analog output signal (2-wire, 4...20mA).

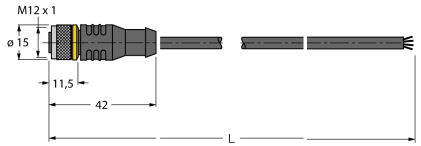
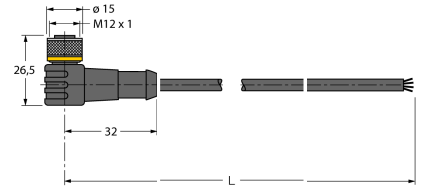
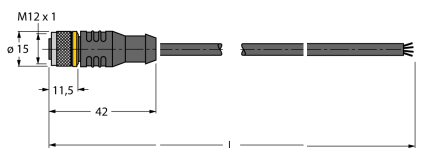
Type code	TTM050C-103A-G1/8-LI6-H1140-L013 -50...50°C
Ident no.	9910550
Temperature operating range	-50...50 °C
Measuring element	Pt-100 platinum measuring element, DIN EN 60751
Accuracy	Class A
Response time	t0.5 = 1.5 s / t0.9 = 6.0 s in water at @ 0.2 m/s
Immersion depth (L)	13 mm
Power supply	
Operating voltage	10...24VDC
No-load current I ₀	≤ 20 mA
Short-circuit/reverse polarity protection	yes/ yes
Protection type and class	IP67/ III
Outputs	
Output 1	analog output
Analogue output	
Operating range	4...20 mA (2-wire)
Load	≤ 700 kΩ
Accuracy (Lin. + Hys. + Rep.)	± 0.2 K
Temperature behaviour	
Temperature coefficient zero point T ₀	± 0.1 % of full scale / 10 K
Temperature coefficient span T _{KS}	± 0.1 % of full scale / 10 K
Ambient conditions	
Ambient temperature	-40 ... 80 °C
Storage temperature	-40...+80°C
Pressure resistance	100 bar
Housing	
Housing material	Stainless steel/plastic, V4A (1.4404)
Sensor material	stainless steel, AISI 316L
Mechanical connection	G 1/8" male thread
Connection	male, M12 x 1
Pressure resistance	100 bar
Reference conditions acc. to IEC 61298-1	
temperature	15...25 °C
Atmospheric pressure	860...1060 hPa abs.
Humidity	45...75 % rel.
Auxiliary power	24 VDC

Temperature measurement
miniature transmitter with integrated probe
TTM050C-103A-G1/8-LI6-H1140-L013 -50...50°C

TURCK

Industrial
Automation

Wiring accessories

Type code	Ident no.	Description	Dimension drawing
RKC4.4T-2/TEL	6625013	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
WKC4.4T-2/TEL	6625025	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
RKC4.4T-2/TXL	6625503	Connection cable, female M12, straight, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	
WKC4.4T-2/TXL	6625515	Connection cable, female M12, angled, 4-pin, cable length: 2 m, sheath material: PVC, black; cULus approval; other cable lengths and qualities available, see www.turck.com	