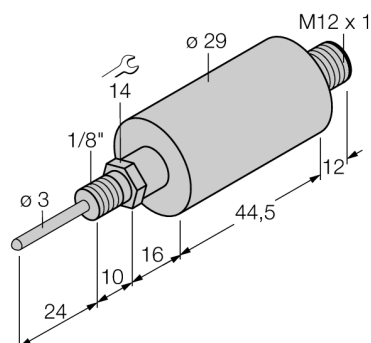
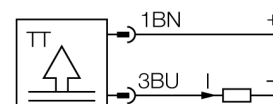


Temperature measurement
Transmitter with integrated probe
TT-103A-G1/8-LI6-H1140-L024



- Factory setting 0...150 °C
- Analog output 4...20 mA
- Temperature range 0...150 °C

Wiring diagram



General description

Apart from the TT-100 we have equipped all other transmitters of the TT series with a probe.

Please observe the restricted temperature range applying to transmitters with integrated probe.

Analog output signal, 2-wire technology, 4...
20mA.

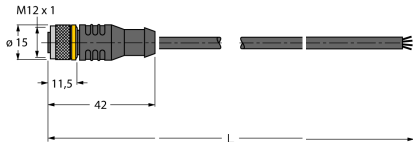
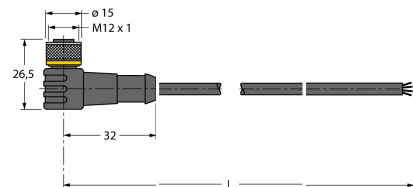
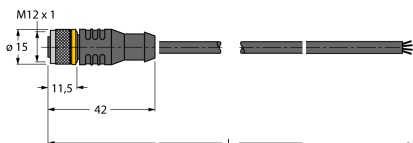
Type code	TT-103A-G1/8-LI6-H1140-L024
Ident no.	9910438
Temperature operating range	0...150 °C
Measuring element	Pt-100 platinum measuring element, DIN EN 60751
Accuracy	Class A
Immersion depth (L)	24 mm
Power supply	
Operating voltage	8...35VDC
No-load current I ₀	≤ 20 mA
Short-circuit/reverse polarity protection	yes/ yes
Protection type and class	IP67
Output 1	analog output
Analogue output	
Current output	4...20mA
Operating range	4...20 mA (2-wire)
Load	≤ 1.2 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 _{is}	± 0.1 % of full scale / 10 K
Ambient conditions	
Ambient temperature	-40 ... 85 °C
Storage temperature	-40...+85°C
Pressure resistance	100 bar
Housing	
Housing material	Stainless steel, V4A 1.4401 (AISI 316)
Sensor material	stainless steel, AISI 316
Mechanical connection	G ½" 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
Transmitter with integrated probe
TT-103A-G1/8-LI6-H1140-L024

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	