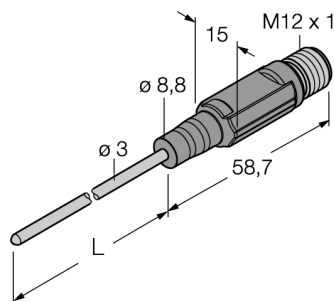
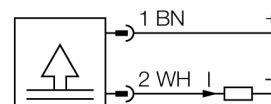


Temperature measurement With Current Output TTM150C-203A-CF-LI6-H1140-L100



- Miniature design
- Analog output 4...20 mA
- Factory setting 0...150 °C (other settings on request)

Wiring Diagram



General description

Temperatures are recorded over a mineral insulated transmitter and converted into a wide range of electrical output signals.

The devices of the TTM miniature series are enclosed in a fully potted plastic housing and depending on the variant, they have either an IO-link output, power output and/or switching output.

Type designation	TTM150C-203A-CF-LI6-H1140-L100
Ident-No.	9910535
Temperature range	
Measuring range	0...150 °C
Temperature operating range	32...302 °F
Note	Max. temperature of electronics: 80 °C/176 °F
Measuring element	Pt-1000 probe, DIN EN 60751, class A
Response time	t 0.5 = 1.5 s / t 0.9 = 6.0 s in water at 0.2 m/s
Immersion depth (L)	100 mm
Power supply	
Operating voltage	10...24 VDC
Current consumption	≤ 20 mA
Short-circuit/reverse polarity protection	yes / yes
Protection type and class	IP67 / III
Outputs	
Output 1	Analog output
Analog output	
Operating range	4...20 mA (2-wire)
Load	≤ 0.7 kΩ
Accuracy (Lin. + Hys. + Rep.)	± 0.2 K
Temperature behaviour	
Temperature coefficient zero point Tk0	± 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
Housing	
Housing material	Stainless-steel/Plastic, V4A (1.4404)
Sensor material	Stainless steel, V4A (1.4404)
Process connection	For compression fittings, thermowell or direct mounting
Electrical connection	Connector, M12 × 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