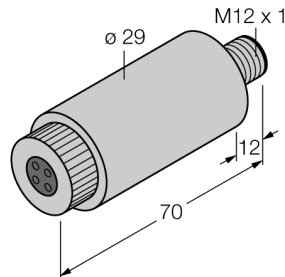


Temperature measurement Transmitter for external probes TT-100-LI6-H1140

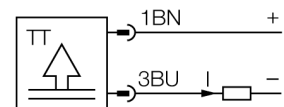
TURCK

Industrial
Automation



- Factory setting 0...150°C (other settings on request)
- Analog output 4...20 mA
- For connection to external temperature probes
- Temperature range 0...150 °C

Wiring diagram



General description

Sensor with integrated probe Different probe versions.

The TT series is available with one switching output 4...20mA (2-wire).

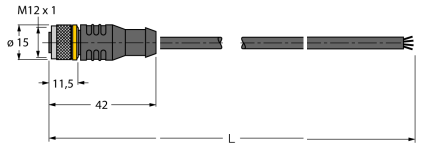
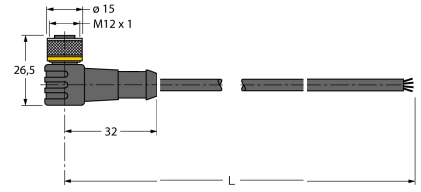
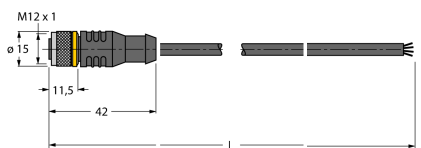
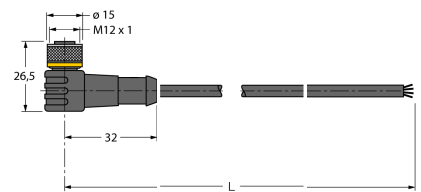
Type code	TT-100-LI6-H1140
Ident no.	9910441
Temperature operating range	-50...500 °C
Measuring element	For connection to probes of the TP series
Response time	Dependent on connected temperature sensor
Power supply	
Operating voltage	8...35VDC
No-load current I_0	≤ 20 mA
Short-circuit/reverse polarity 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_{10}	± 0.1 % of full scale / 10 K
Temperature coefficient span T_{15}	± 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)
Mechanical connection	for compression ferrule fittings, protective tubing or direct mounting
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 for external probes
TT-100-LI6-H1140

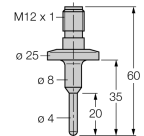
TURCK

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	

Function accessories

Type code	Ident no.	Description	Dimension drawing
TP-104A-TRI3/4-H1141-L035	9910429	temperature detector for liquid and gaseous media	

Temperature measurement
Transmitter for external probes
TT-100-LI6-H1140

TURCK

Industrial
Automation

Function accessories

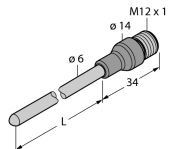
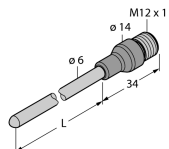
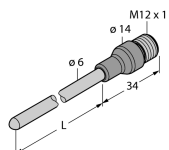
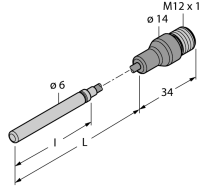
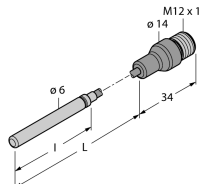
Type code	Ident no.	Description	Dimension drawing
TP-104A-TRI3/4-H1141-L100	9910430	temperature detector for liquid and gaseous media	
TP-104A-DN25K-H1141-L035	9910431	temperature detector for liquid and gaseous media	
TP-104A-DN25K-H1141-L100	9910432	temperature detector for liquid and gaseous media	
TP-203A-CF-H1141-L300	9910474	temperature detector for liquid and gaseous media	
TP-206A-CF-H1141-L100	9910475	temperature detector for liquid and gaseous media	

Temperature measurement
Transmitter for external probes
TT-100-LI6-H1140

TURCK

Industrial
Automation

Function accessories

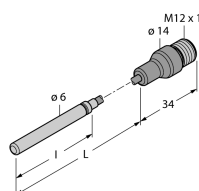
Type code	Ident no.	Description	Dimension drawing
TP-206A-CF-H1141-L150	9910476	temperature detector for liquid and gaseous media	
TP-206A-CF-H1141-L200	9910477	temperature detector for liquid and gaseous media	
TP-206A-CF-H1141-L300	9910478	temperature detector for liquid and gaseous media	
TP-306A-CF-H1141-L1000	9910479	temperature detector for liquid and gaseous media	
TP-306A-CF-H1141-L2000	9910480	temperature detector for liquid and gaseous media	

Temperature measurement
Transmitter for external probes
TT-100-LI6-H1140

TURCK

Industrial
Automation

Function accessories

Type code	Ident no.	Description	Dimension drawing
TP-306A-CF-H1141-L5000	9910481	temperature detector for liquid and gaseous media	
TP-203A-CF-H1141-L200	9910482	temperature detector for liquid and gaseous media	