

TEMPERATURE SENSORS SELECTION GUIDE

Housing	Style	Features	Applications	Page
	TS Series The TS400/500 temperature sensors are robust stainless steel sensors for Pt-100 RTDs.	<ul style="list-style-type: none"> ■ High accuracy ■ Rotatable housing ■ IP67 ■ -50 to 500°C (-58 to 932°F) ■ PNP/NPN programmable ■ Wide range of configurations with TP probes 	<ul style="list-style-type: none"> ■ Food and beverage ■ Hydraulics ■ Cooling lines ■ Plastics ■ Pharmaceutical ■ Metal forming ■ Oils 	D3
	TT Series Available with remote or integral probes, this is an economical temperature transmitter for OEM applications.	<ul style="list-style-type: none"> ■ 4-20 mA Analog transmitter ■ -200 to 850°C ■ IP67 ■ Works with TP probes 	<ul style="list-style-type: none"> ■ OEM ■ Food and beverage ■ Hydraulics ■ Cooling lines ■ Plastics 	D7
	TTM Series Miniature temperature transmitters come pre-scaled so there is no need for adjustment.	<ul style="list-style-type: none"> ■ 4 standard ranges: -5 to 50°C 0 to 100°C -50 to 150°C 0 to 150°C ■ 4-20 mA output 	<ul style="list-style-type: none"> ■ OEM ■ Hydraulics ■ Food and beverage ■ Oils 	D8
	TP Temperature Probes TP probes are platinum four-wire resistance temperature detectors (RTD).	<ul style="list-style-type: none"> ■ PT 100 RTDs ■ 4-wire ■ Variety of styles and lengths 	<ul style="list-style-type: none"> ■ TS series ■ TT series ■ IM 34 with cordset 	D13
	Process Connections Compression fittings or thermowells are necessary for probe installation.	<ul style="list-style-type: none"> ■ Stainless Steel ■ NPT threads ■ Tri-clamp fitting 	<ul style="list-style-type: none"> ■ TP series probes 	D17
	IM34 Temperature Converters The IM34 will convert a 2, 3 or 4-wire RTD, thermocouple or mV signal to an analog 4-20 mA signal in a non-hazardous area.	<ul style="list-style-type: none"> ■ Input: RTD or thermocouples ■ Output: 4-20 mA ■ Display model ■ Relay and transistor outputs ■ PACTware compatible models 	<ul style="list-style-type: none"> ■ Hazardous areas 	D21

MINIATURE TEMPERATURE TRANSMITTERS

PRODUCT OVERVIEW

WHAT ARE MINIATURE TEMPERATURE TRANSMITTERS?

Miniature temperature transmitters that include an integrated M12 connection. The transmitters utilize the same Pt-100 technology as TURCK's other temperature products with a pre-scaled 4-20 mA output.

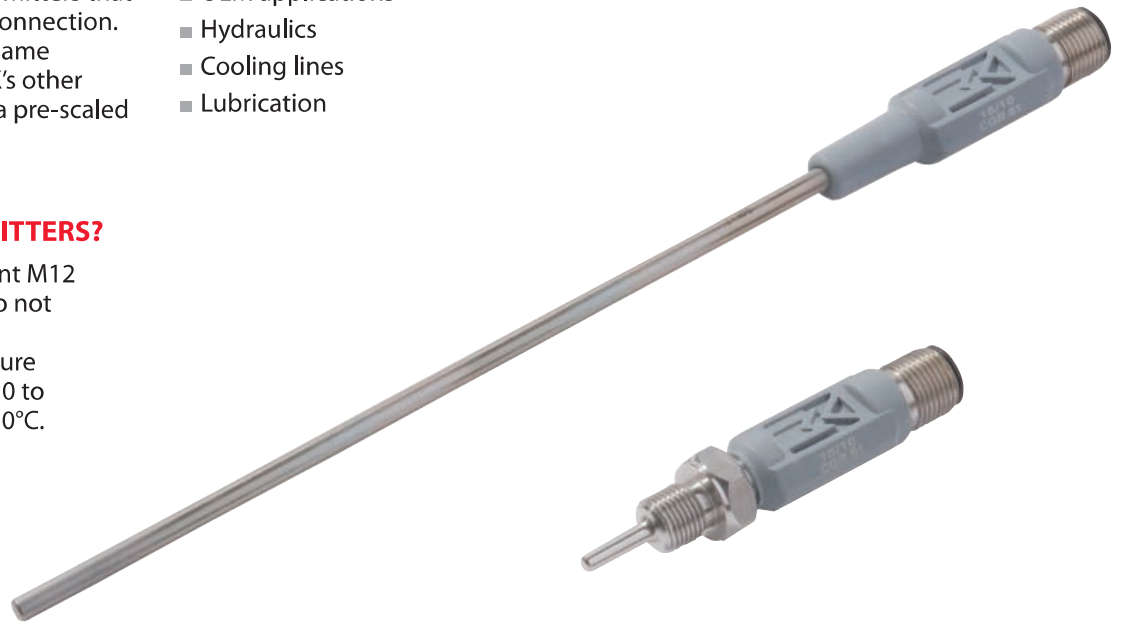
WHY CHOOSE TURCK'S TEMPERATURE TRANSMITTERS?

The probes have a convenient M12 *eurofast*® connection and do not require special cables.

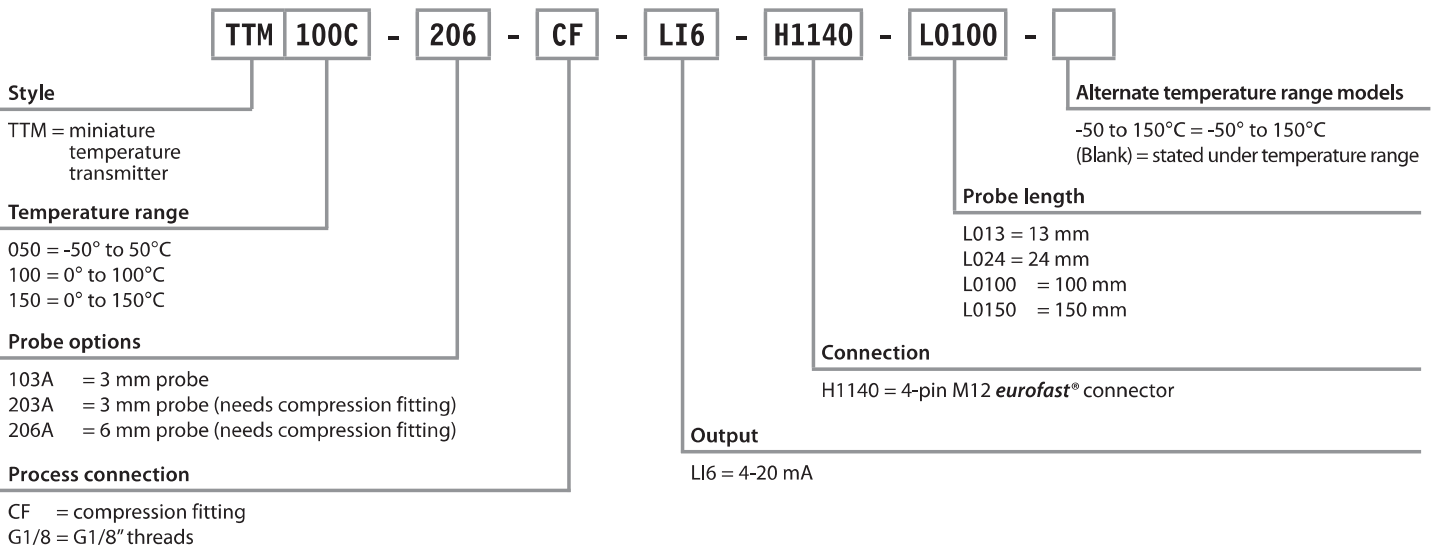
- Available in four temperature ranges: 0-100°C, -50-50°C, 0 to 150 degrees°C, and -50-150°C.

WHERE CAN I USE TURCK'S TEMPERATURE TRANSMITTERS?

- OEM applications
- Hydraulics
- Cooling lines
- Lubrication



Miniature Temperature Transmitter Part Number Key



TURCK

Temperature Instrumentation

TTM - Miniature Temperature Transmitters

- 4-20 mA output
- Two wire loop power
- IP67



Part Number	Temperature Range (°C)	Process Connection	Probe Length (mm)	Drawing
TTM100C-203A-CF-LI6-H1140-L100	0-100	Compression Fitting	100	1
TTM150C-203A-CF-LI6-H1140-L100	0-150	Compression Fitting	100	1
TTM150C-203A-CF-LI6-H1140-L100-50...150°C	-50-150	Compression Fitting	100	1
TTM050C-203A-CF-LI6-H1140-L100-50...50°C	-50-50	Compression Fitting	100	1
TTM100C-206A-CF-LI6-H1140-L100	0-100	Compression Fitting	100	2
TTM150C-206A-CF-LI6-H1140-L100	0-150	Compression Fitting	100	2
TTM150C-206A-CF-LI6-H1140-L100-50...150°C	-50-150	Compression Fitting	100	2
TTM050C-206A-CF-LI6-H1140-L100-50...50°C	-50-50	Compression Fitting	100	2
TTM100C-203A-CF-LI6-H1140-L150	0-100	Compression Fitting	150	1
TTM150C-203A-CF-LI6-H1140-L150	0-150	Compression Fitting	150	1
TTM150C-203A-CF-LI6-H1140-L150-50...150°C	-50-150	Compression Fitting	150	1
TTM050C-203A-CF-LI6-H1140-L150-50...50°C	-50-50	Compression Fitting	150	1
TTM100C-206A-CF-LI6-H1140-L150	0-100	Compression Fitting	150	2
TTM150C-206A-CF-LI6-H1140-L150	0-150	Compression Fitting	150	2
TTM150C-206A-CF-LI6-H1140-L150-50...150°C	-50-150	Compression Fitting	150	2
TTM050C-206A-CF-LI6-H1140-L150-50...50°C	-50-50	Compression Fitting	150	2
TTM100C-103A-G1/8-LI6-H1140-L013	0-100	G 1/8"	13	3
TTM050C-103A-G1/8-LI6-H1140-L013-50...50°C	-50-50	G 1/8"	13	3
TTM100C-103A-G1/8-LI6-H1140-L024	0-100	G 1/8"	24	3
TTM050C-103A-G1/8-LI6-H1140-L024-50...50°C	-50-50	G 1/8"	24	3