

The compact industrial screw-in transmitter TCT is designed for temperature measurement in liquids or gases in piping, air ducts or containers in mechanical engineering, plant engineering and apparatus engineering.

The active industrial screw-in transmitter TCT converts the temperature resistance of the sensor into a linear 0-10V voltage signal or a 4-20 mA current signal.

The sensor can be connected directly to a 1 / 4" internal screw thread.

For flexible mounting depth screw-in compression adapters can be used.

The TCT is furnished with a G 1/4" process connector.

Range: -50 ... +50°C / 0 .. 100 °C  
Output: 4... 20 mA or 0... 10V  
Supply: 12. ... 30 Vdc  
Accuracy: <math>\pm 0.4\%</math> of range

Sensor Pod: V2A 1.4301 mm Ø6  
Fitting length: according to table  
Ambient temperature: -20...70°C  
Electrical connection: plug according to DIN 6344  
(2m connected cable possible)  
Housing: V2A 1.4301 SW 22mm



Typ	Output Signal	Order Code	Typ	Output Signal	Order Code	Length FL
TCT 20.50-1	0...10V -50..50°C	9620014	TCT 10.50-1	4...20mA -50...50°C	9610014	50 mm
TCT 20.100-1	0...10V -50..50°C	9620015	TCT 10.100-1	4...20mA -50...50°C	9610015	100 mm
TCT 20.150-1	0...10V -50..50°C	9620016	TCT 10.150-1	4...20mA -50...50°C	9610016	150 mm
TCT 20.200-1	0...10V -50..50°C	9620017	TCT 10.200-1	4...20mA -50...50°C	9610017	200 mm
TCT 20.250-1	0...10V -50..50°C	9620018	TCT 10.250-1	4...20mA -50...50°C	9610018	250 mm
TCT 20.300-1	0...10V -50..50°C	9620019	TCT 10.300-1	4...20mA -50...50°C	9610019	300 mm
TCT 20.400-1	0...10V -50..50°C	9620020	TCT 10.400-1	4...20mA -50...50°C	9610020	400 mm
TCT 20.50-3	0...10V 0...100°C	9620021	TCT 10.50-3	4...20mA 0...100°C	9610021	50 mm
TCT 20.100-3	0...10V 0...100°C	9620022	TCT 10.100-3	4...20mA 0...100°C	9610022	100 mm
TCT 20.150-3	0...10V 0...100°C	9620023	TCT 10.150-3	4...20mA 0...100°C	9610023	150 mm
TCT 20.200-3	0...10V 0...100°C	9620024	TCT 10.200-3	4...20mA 0...100°C	9610024	200 mm
TCT 20.250-3	0...10V 0...100°C	9620025	TCT 10.250-3	4...20mA 0...100°C	9610025	250 mm
TCT 20.300-3	0...10V 0...100°C	9620026	TCT 10.300-3	4...20mA 0...100°C	9610026	300 mm
TCT 20.400-3	0...10V 0...100°C	9620027	TCT 10.400-3	4...20mA 0...100°C	9610027	400 mm