

1-channel temperature acquisition

μCAN.1.ti-TRS

1-channel analogue acquisition module for temperature signals with CAN interface

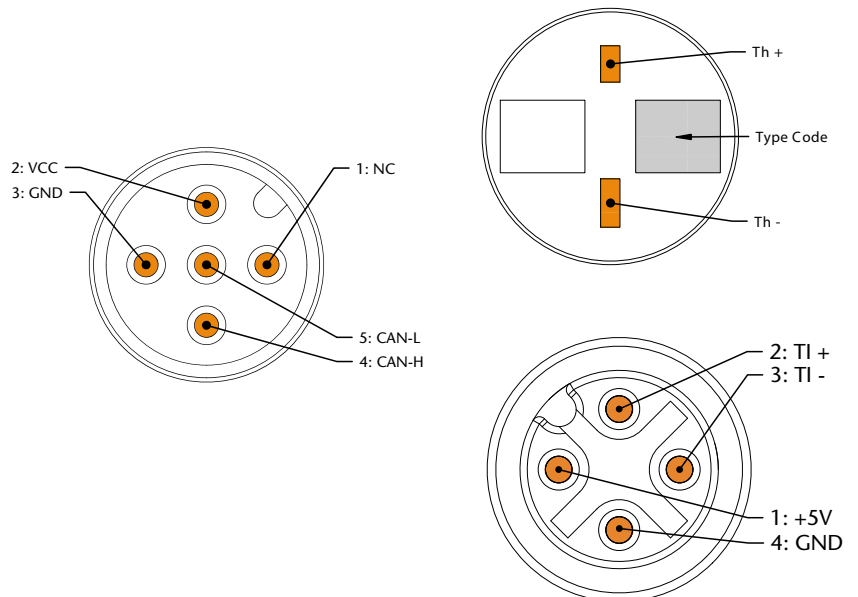
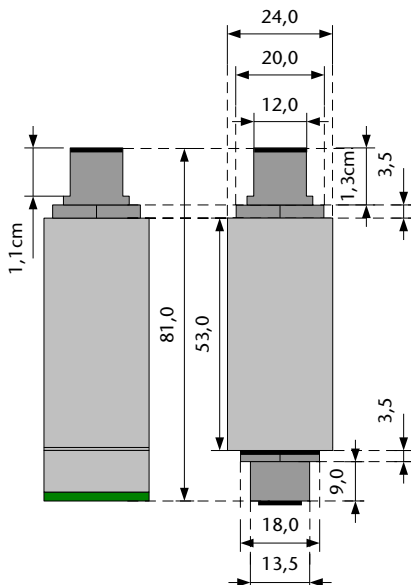
The μCAN.1.ti-TRS cable transmitter is the universal data acquisition module for temperature signals. The module is designed for temperature signals. The transmitter can be incorporated into your measuring lines.

The temperature signal is sent via short connection lines to the μCAN.1.ti-TRS where the data is digitalized and sent on via CAN bus interface to a distributed logging station.

- High-speed interface with CAN, CAN FD
- Sample rate up to 1 kHz
- Innovative measurement technology



Features



Order ID	Description
16.20.050	<p>μCAN.1.ti-TRS / Thermo J 1-channel temperature signal acquisition module. Signal type Thermo J, connection by M12 circular connector and mini-style thermo connector J. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.</p>
16.20.051	<p>μCAN.1.ti-TRS / Thermo K 1-channel temperature signal acquisition module. Signal type Thermo K, connection by M12 circular connector and mini-style thermo connector K. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.</p>
16.20.052	<p>μCAN.1.ti-TRS / Thermo L 1-channel temperature signal acquisition module. Signal type Thermo L, connection via M12 circular connector and mini-style thermo connector L. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.</p>
16.20.053	<p>μCAN.1.ti-TRS / Pt100 1-channel temperature signal acquisition module. Signal type Pt100, connection by M12 circular connectors. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.</p>
16.20.054	<p>μCAN.1.ti-TRS / Pt1000 1-channel temperature signal acquisition module. Signal type Pt1000, connection by M12 circular connector. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.</p>

Technical data	Sensor acquisition μ CAN.1.ti-TRS
Power supply	
Power supply voltage	9 V DC .. 36 V DC, reverse polarity protected
Power consumption	Max. 410 mW
Current consumption	Max. 45 mA @ 9 V DC
Operating temperature	
	-40 °C to +85 °C
Communication	
Interface	CAN, CAN FD
Protocols	CANopen, CANopen FD, J1939
Bit rate CANopen CC	50, 100, 125, 250, 500, 800, 1000 kBit/s
Bit rate CANopen FD	250/1000, 250/2000, 500/2000, 1000/4000 kBit/s
Bit rate J1939	250, 500 kBit/s
Construction	
Housing	Stainless steel circular casing L 53 x \varnothing 22 mm
Protection class	IP67
Dimension (L x \varnothing)	81 x 22 mm
Weight	100 g (thermocouple), 85 g (Pt100/Pt1000)
Connection Pt100 / Pt1000	Circular connectors, 5-pole, socket, M12
Connection thermo	Mini-style thermoconnector J, K, L
Connection CAN	Circular connectors 5-pole, plug, M12
Analogue inputs	
Number of channels	1
Resolution	16 Bit (0,1 K)
Accuracy	0.01 % v.E. @ 25 °C
Sample rate	Adjustable, to 1 kHz
Configuration thermo	-200 °C to +1200 °C
Configuration Pt100 / Pt1000	-200 °C to +850 °C