

1-channel temperature acquisition

μCAN.1.ti-SENSOR

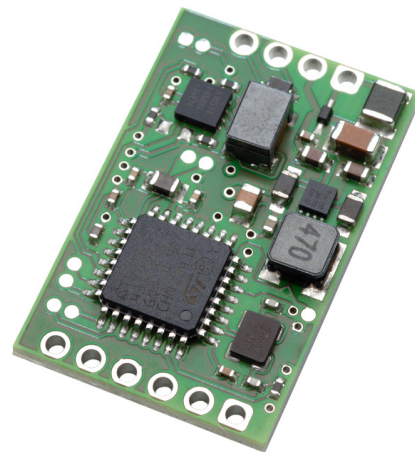
1-channel analogue acquisition module for temperature signals

The **μCAN.1.ti-SENSOR** module can be combined with standard pressure sensors. It is designed for the acquisition of an analogue sensor signal.

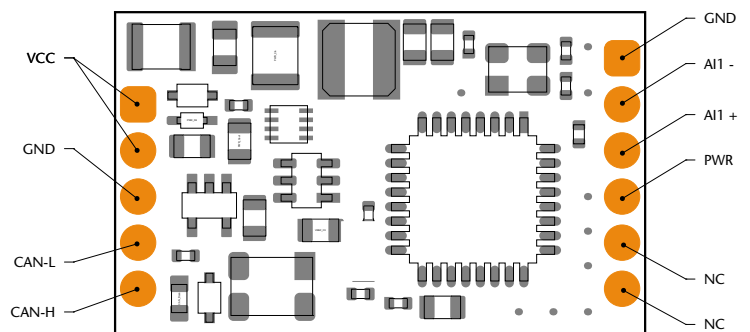
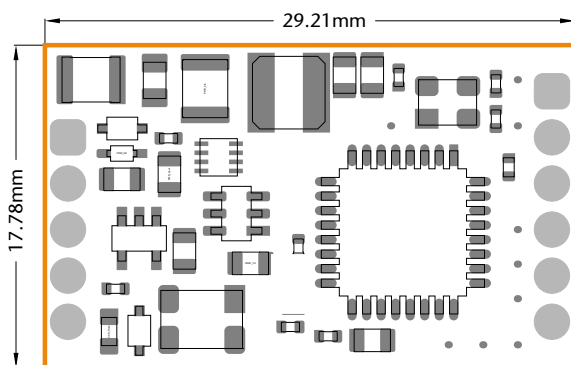
The μCAN.1.ti-SENSOR is integrated into the sensor head (diameter 18 mm). Sensor tolerances can be adjusted with the module already built in.

Sensor signals are linearized and supervised via the hardware.

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



Features



Order ID	Description
13.30.050	μCAN.1.ti-SENSOR / Thermo J 1-channel sensor acquisition module with CANopen. Signal type thermocouple J. Connection by through-hole-technology (THT) in a 2.54 mm grid. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.
13.31.050	μCAN.1.ti-SENSOR / Thermo K 1-channel sensor acquisition module with CANopen. Signal type thermocouple K. Connection by through-hole-technology (THT) in a 2.54 mm grid. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.
13.32.050	μCAN.1.ti-SENSOR / Thermo L 1-channel sensor acquisition module with CANopen. Signal type thermocouple L. Connection by through-hole-technology (THT) in a 2.54 mm grid. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.
13.40.050	μCAN.1.ti-SENSOR / Pt100 1-channel sensor acquisition module with CANopen, signal type Pt100. Connection by through-hole-technology (THT) in a 2.54 mm grid. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.
13.41.050	μCAN.1.ti-SENSOR / Pt1000 1-channel sensor acquisition module with CANopen, signal type Pt1000. Connection by through-hole-technology (THT) in a 2.54 mm grid. Fieldbus: CAN / CAN FD. Protocols: CANopen / CANopen FD / J1939.

Technical data	Sensor acquisition µCAN.1.ti-SENSOR
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
Bitrate CANopen CC	50, 100, 125, 250, 500, 800, 1000 kBit/s
Bitrate CANopen FD	250/1000, 250/2000, 500/2000, 1000/4000 kBit/s
Bitrate J1939	250, 500 kBit/s
Board	
Dimension (W x D x H)	28 x 18 x 6 mm
Weight	10 g
Connection	Through-hole-technology (THT) in a 2.54 mm grid
Analogue inputs	
Number of channels	1
Resolution	16 Bit (0,1 K)
Accuracy	0.01 % v.E. @ 25 °C
Sample rate	Adjustable, up to 1 kHz
Configuration Thermo J, K, L	-200 °C to +1200 °C
Configuration Pt100 / Pt1000	-200 °C to +850 °C