



4-channel temperature input

μCAN.4.ti-F1 / Pt100

4-channel data acquisition module for temperature RTDs (Pt100/500/1000) with CAN interface

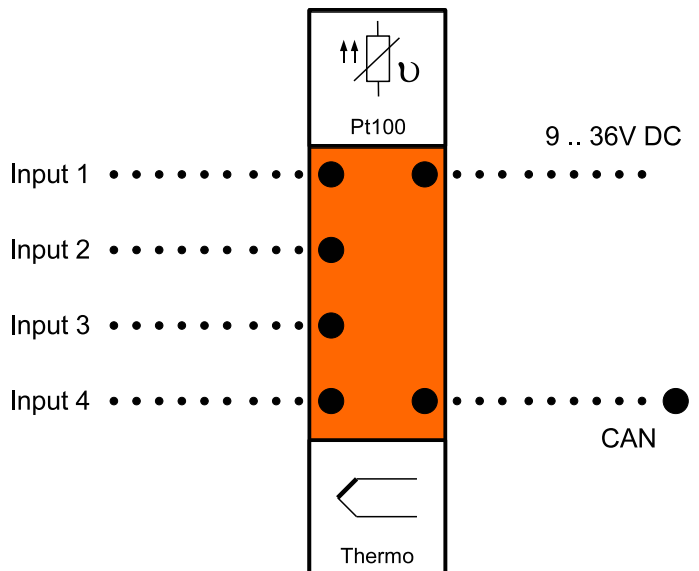
The μCAN.4.ti-F1 is the ultimate data acquisition module for your mobile test bench. The module can handle RTD signals from Pt100 / Pt500 / Pt1000 with an **overall sample rate of 30kHz**.

Linearisation and monitoring of signals is done inside the robust alu die-cast housing. Data is send over the CANbus interface to the distributed logging station or laptop computer.



Features

- analogue input Pt100 / Pt500 / Pt1000
- sample rate max. 3 kHz per input
- working ambient temperature -40°C to +85°C
- CAN 2.0A and CAN 2.0B / RawCAN
- free software configuration tool
- protection class IP65
- status monitoring with dual-colour LED



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Technical Data	μCAN.4.ti-F1 / Pt100, Pt500, Pt1000
Channels	4
Supply Voltage	9...36 V DC, reverse current protected
Power Consumption	2W (84mA @ 24V DC)
Isolation	Input/Supply.: 500Veff, Fieldbus/Supply.: 500Veff
Working Temperature	-40°C...+85°C
Baudrate	20kBit/sec ... 1MBit/sec
Protocol	RawCAN / CAN 2.0A and 2.0B
Configuration	free configuration software
Status Indicator	1 dual-colour LED
Protection Class	IP65
Housing	Aluminium, 120x110x48mm (LxBxT)
EMC	according to EN 50082
Accuracy @ 23°C ambient temperature	Pt100 / Pt500 / Pt1000: -100°C...+850°C, Auflösung 0,01K / Genauigkeit +/- 0,1K
Sample Rates [Hz]	2 ... 3750
Resolution	2Hz / 24-bit 3kHz / 18-bit
Filter	Software filter / selectable time base
Configuration of analogue inputs	SYNC driven sending ADC-Interrupt driven sending Timer driven sending

Order Number	Description
17.30.003	μCAN.4.ti-F1 / Pt100/500/1000 4-channel analogue acquisition module with CAN interface, signal input Pt100, signal connector Lemo K series receptacle (female contacts), Power and CAN signal with Lemo B series receptacle (female contacts), inclusive 1 connection element
90.15.001	F1/F1 connector (CAN + Power) length 140mm, Lemo B series connectors (male)
90.15.100	F1 external connector F1 cable connector 2mtrs. with Lemo B Series connector (to F1) and open wire (to interface of any other system)
90.15.300	Sensor Connector F1 Straight Plug, FGG.0K.306.CLAC50, 6-pole, solder contacts