

# 1- channel thermal data acquisition

## μCAN.1.ti-SNAP

### 1- channel thermal data acquisition for thermocouple and Pt100 / Pt1000

The decentralized data acquisition unit μCAN.1.ti-SNAP is configured to acquire temperature signals.

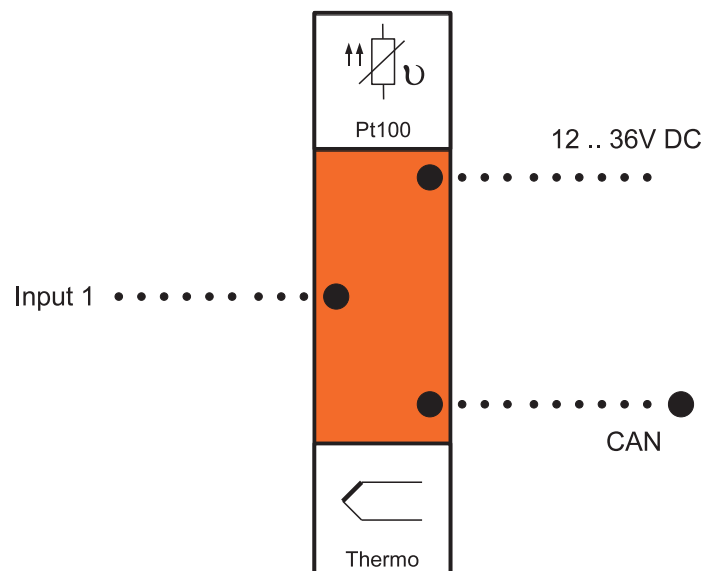
Due to its narrow and compact structure our μCAN unit is ideally suited for DIN-rail mounting in a control cabinet.

Plug-in screw terminals facilitate quick integration of the μCAN.1.ti-SNAP into your systems.



## Features

- Acquisition of thermal data with 16-bit resolution
- Pt100 as well as J, K and L type thermo signals
- Wire break and short circuit detection
- DIN-rail fastening TS35
- Protocol: CANopen CiA 404
- Extended ambient temperature range of -40°C...+85°C
- Relay output for alarm values



Technical Data	Thermal data acquisition $\mu$ CAN.1.ti-SNAP
Number of channels	1
Power supply voltage	12...36 V DC, reverse polarity protected
Power consumption	max. 1 W (42mA @ 24V DC)
Potential isolation	--- (optional fieldbus/control voltage.: 500Veff )
Operating temperature	-40°C...+ 85°C (others upon request)
Transfer rate	10kBit/sec up to 1MBit/sec
Protocol	CANopen CiA 404 (CAN 2.0A and 2.0B)
Number of PDO (CANopen)	2 transmit PDOs
Configuration	Sensor type via fieldbus Bit rate and module address via DIP-switches
Status display	1 bi-color flashing indicator LED for status information
Protection class	IP 20
Casing	DIN-rail casing 22.5x114.5x99mm (W x D x H)
EMC	EN 50082 compliant
Vibration resistance	---
Shock resistance	---
Resolution /Conversion time	16-bit / 20ms
Measurement range / Input error @23°C ambient temperature	J,K ,L type thermo signals with cold junction compensation -200°C...+1.200°C, resolution 0.1K, accuracy +/- 0.1K Pt100 -100°C...+850°C, resolution 0.1K, accuracy +/- 0.1K  other signal types upon request

Order Number	Description
10.60.002	$\mu$ CAN.1.ti-SNAP 1-channel thermal data acquisition module with CANopen, <b>galvanic isolation</b> . Connection of all signal wires via COMBI-CON plugs.
10.60.003	$\mu$ CAN.1.ti-SNAP 1-channel thermal data acquisition module with CANopen, <b>no galvanic isolation</b> . Connection of wires via COMBI-CON plug.