

1-channel analogue input

μCAN.1.ai-TRS

1-channel analogue acquisition module for voltage or current signals with CAN interface

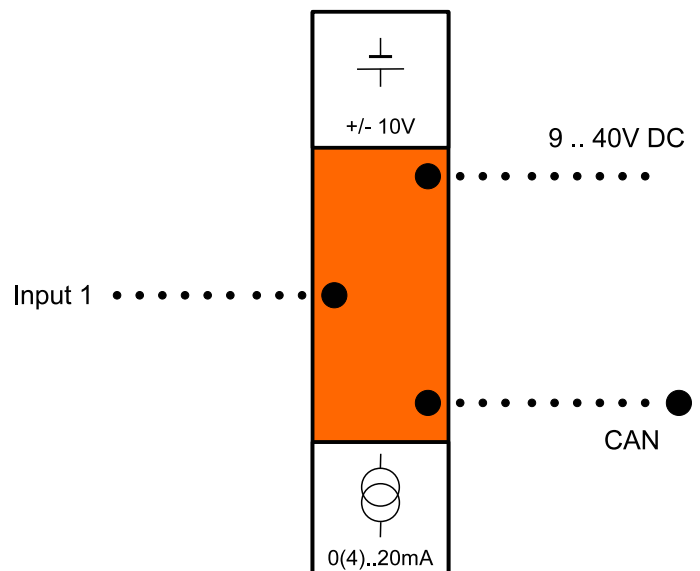
The μCAN.1.ai-TRS cable transmitter is the universal data acquisition module for standard analogue signals. The module is designed for measuring +/-10V or 0..20mA signals. The transmitter can be incorporated into your measuring lines.

The analogue signal is sent via short connection lines to the μCAN.1.ai-TRS where the data is digitalized and sent on via CANbus interface to a distributed logging station.



Features

- Acquisition of +/-10V signals with 16-bit resolution
- Acquisition of 0(4)..20mA signals with 16-bit resolution
- Equipped with M12 plug-in circular connectors
- Protocol CANopen CiA-404
- Indication of deviation from measurement range
- Ambient temperature range -40°C to +85°C



Technical Data	μCAN.1.ai-TRS
Number of channels	1
Power supply voltage	9...40 V DC, reverse polarity protected
Power consumption	max. 1W (42mA @ 24V DC)
Electrical isolation	---
Operating temperature	-40°C...+85°C
Bit rate	20kBit/sec to 1MBit/sec
Protocol	CANopen CiA-404 / CAN 2.0A and 2.0B / others upon request
Number of PDOs	2 transmit PDOs
Configuration	Sensor type via field bus Bit rate and module address via LSS
Status indicator	---
Protection class	IP67
Housing	Stainless steel circular housing, 22 x 52mm (diam. x L)
EMC	EN 50082 compliant
Resolution / Sampling rate	16-bit / 50Hz
Signal type / Accuracy @ 23°C ambient temperature	Voltage signals +/-10V DC, resolution 0.001V, accuracy +/- 0.002V Current signals 0(4)..20mA, resolution 0.001mA, accuracy +/- 0.002mA

Order Number	Description
16.10.020	μCAN.1.ai-TRS / Voltage 1-channel analogue acquisition module with CANopen. Signal type +/- 10V DC. Connection via M 12 circular connector. Internal power supply via M12.
16.10.019	μCAN.1.ai-TRS / Current 1-channel analogue acquisition module with CANopen. Signal type 0(4)-20 mA. Connection via M12 circular connector. Internal power supply via M12.
90.02.400	Y junction for M12 connectors
90.02.401	Terminal resistor for M12 connectors
16.10.901	Operating manual in English