

# 1-channel analogue transducer

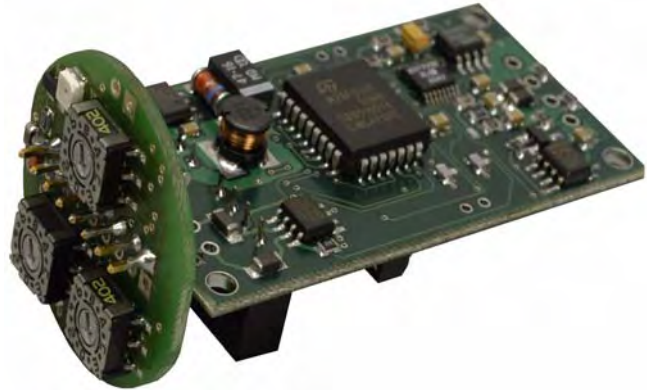
## $\mu$ CAN.1.ai-OEM

### 1-channel sensor acquisition for standard analogue signals

The module  $\mu$ CAN.1.ai-OEM is configured to acquire decentralized analogue signals.

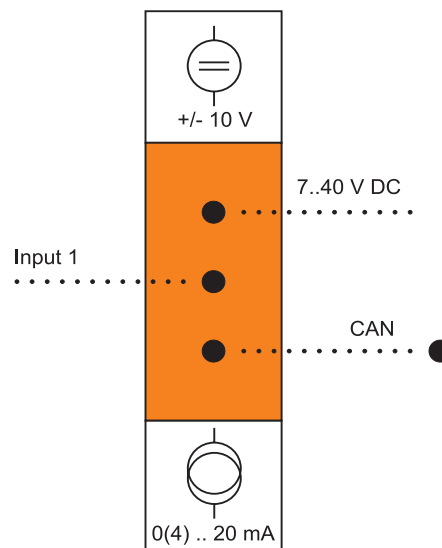
It can be placed right next to the sensor head. The installation into other cases is possible as well.

The  $\mu$ CAN.1.ai-OEM is installed close to the analogue signals. These are transmitted to the  $\mu$ CAN.1.ai-OEM via short lines, then digitalized and transmitted by the CAN-interface to a master.



### Features

- installation right next to / in the sensor
- acquisition of one analogue input with a resolution of 16 Bit for the standard signals  $\pm 10V$ , 0-20mA, 4-20mA
- Standard-protocol: CANopen DS-404
- easy communication with other Bus-devices via CAN-interface
- display of device status by LEDs



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<b>Technical Data</b>	<b>analogue transducer <math>\mu</math>CAN.1.ai-OEM</b>
<b>Channels</b>	1
<b>Supply Voltage</b>	7...40 V DC
<b>Power Consumption</b>	40mA @ 24V DC
<b>Galvanical Isolation</b>	channel/control voltage.: 500Veff, fieldbus/control voltage.:500Veff (optional)
<b>Working Temperature</b>	-25°C...+ 70°C (others by request)
<b>Supported Bitrates</b>	10kBit/sec to 1MBit/sec
<b>Protocol</b>	CANopen DS-404 / DeviceNet / customer specific CAN
<b>Number of PDO (CANopen)</b>	2 transmit PDOs
<b>Configuration</b>	sensor type by fieldbus, bitrate and module address by DIP-switches
<b>Status Indicator</b>	1 LED status information by blink mode
<b>Blank</b>	31 x 69 mm
<b>Resolution / Sampling Rate</b>	16 Bit / 20ms
<b>Signal Type / Input Error</b> @23°C ambient temperature	+/-10V DC accuracy 0,01% fsd, input resistance 500 kOhm 0-20mA accuracy 0,01% fsd, input resistance 120 Ohm 4-20mA accuracy 0,01% fsd, input resistance 120 Ohm

<b>Order Number</b>	<b>Description</b>
<b>13.01.000</b>	$\mu$ CAN.1.ai-OEM 1-channel analogue transducer with CANopen, signal type +/- 10VDC. Installation right next to the sensor head.
<b>13.01.001</b>	$\mu$ CAN.1.ai-OEM 1-channel analogue transducer with CANopen, signal type 0(4)-20mA. Installation right next to the sensor head.
<b>13.01.901</b>	$\mu$ CAN.1.ai-OEM manual in English

*Changes without notice*