

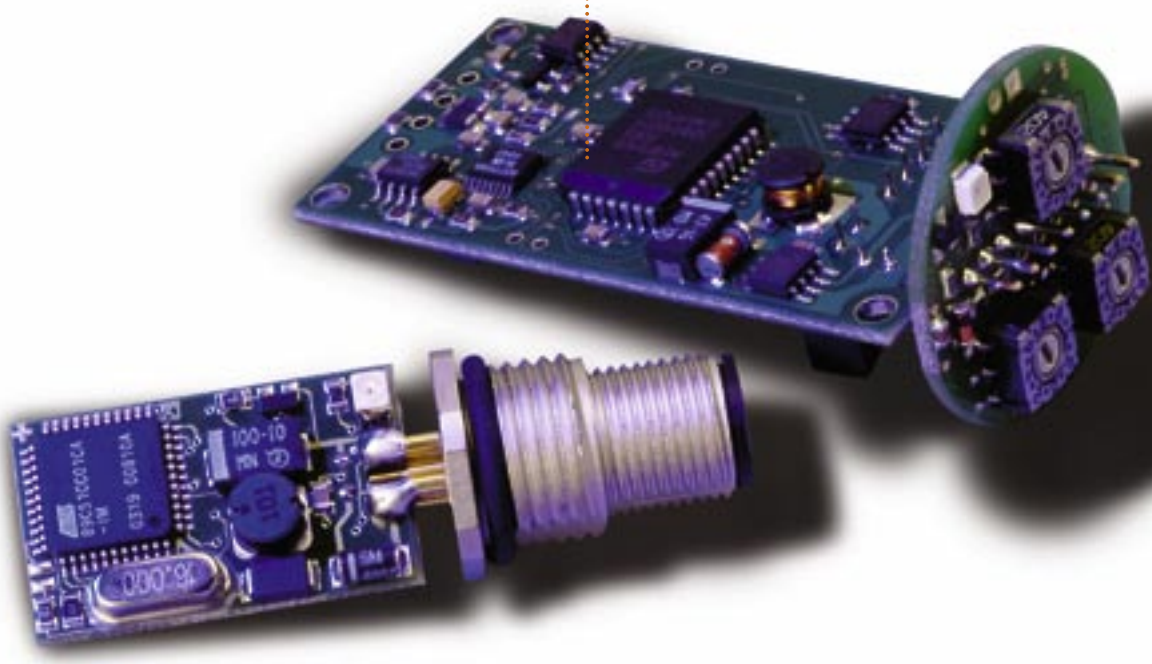


MicroControl
Systemhaus für Automatisierung

CAN
connected

CANopen

DeviceNet



SENSOR ELECTRONICS



The new concept of easy to use electronic supplies the link between analogue sensors and digital CAN networks.

Highly efficient electronics and versatile functionality allows to connect almost any kind of sensor to the μ CAN modules.

The modules are equipped with a highspeed CAN interface supporting CAN 2.0A and CAN 2.0B. Higher layer protocols like CANopen, DeviceNet and many customer specific protocols are available.

Size

The modules are available in different sizes and shapes. The hardware can be used in a sensor housing or sealed as cable transmitter. The cable transmitter is complete pluggable and can be fixed with a clamp.

Mounting

When fit into a sensor housing, electronic and sensor can be seen as a unit. Therefore the accuracy will rapidly increase since electronic and sensor can be calibrated together.



	μ CAN.1.ai-OEM	μ CAN.1.ti-OEM	μ CAN.1.pi-OEM
Function	Analogue In	Temperature In	Strain Gauge
I/O per Module	1	1	1
Signal Type	+/- 10V DC	Thermo J,K,L	DMS
	0(4)-20mA	Pt100	-
	-	Pt1000	-
Accuracy	0,01% of fsd	+/- 0,1K	0,01% of fsd
Resolution	16 Bit	16 Bit	16 Bit
Sampling Rate	20 ms	20 ms	20 ms
Supply Voltage	7...40V DC	7...40V DC	7...40V DC
Working Temperature	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C



LSS

The μ CAN.sensor does not contain any switches due to the minimalistic size. Setting of bitrate and module address will be done by LSS (CANopen Layer Setting Services).

HEX-Encoders

The μ CAN.OEM incorporates three HEX-encoders for the setting of bitrate and module address.

LEDs

Status information and self-diagnosis is displayed via one LED during operation.

Fitting

Signal and fieldbus chains are pluggable on the cable transmitter by use of M12-connectors. Customer specific solutions are also available for maximum flexibility.



μ CAN.sensor.ai	μ CAN.sensor.ti	μ CAN.sensor.pi	μ CAN.1.ai-TRS	μ CAN.1.ti-TRS	μ CAN.1.pi-TRS
Analogue In	Temperature In	Strain Gauge	Analogue In	Temperature In	Strain Gauge
1	1	1	1	1	1
+/- 10V DC	Thermo J,K,L	DMS	+/- 10V DC	Pt100	DMS
0(4)-20mA	Pt100	-	0(4)-20mA	Pt1000	-
-	Pt1000	-	-	-	-
0,01% of fsd	+/- 0,1K	0,01% of fsd	0,01% of fsd	+/- 0,1K	0,01% of fsd
16 Bit	16 Bit	16 Bit	16 Bit	16 Bit	16 Bit
20 ms	20 ms	20 ms	20 ms	20 ms	20 ms
8...40V DC	8...40V DC	8...40V DC	8...40V DC	8...40V DC	8...40V DC
-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C	-40°C...+85°C

Changes without notice



Customer specific solutions

The μ CAN.sensor and OEM family supplies excellent performance for a vast majority of sensor acquisition tasks. As a leading manufacturer of CAN bus factory-floor equipment, we feel that we also offer – besides the excellent industrial automation components – the most comprehensive suite of customer specific, cost sensitive solutions.

Test us !

Presented by:


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