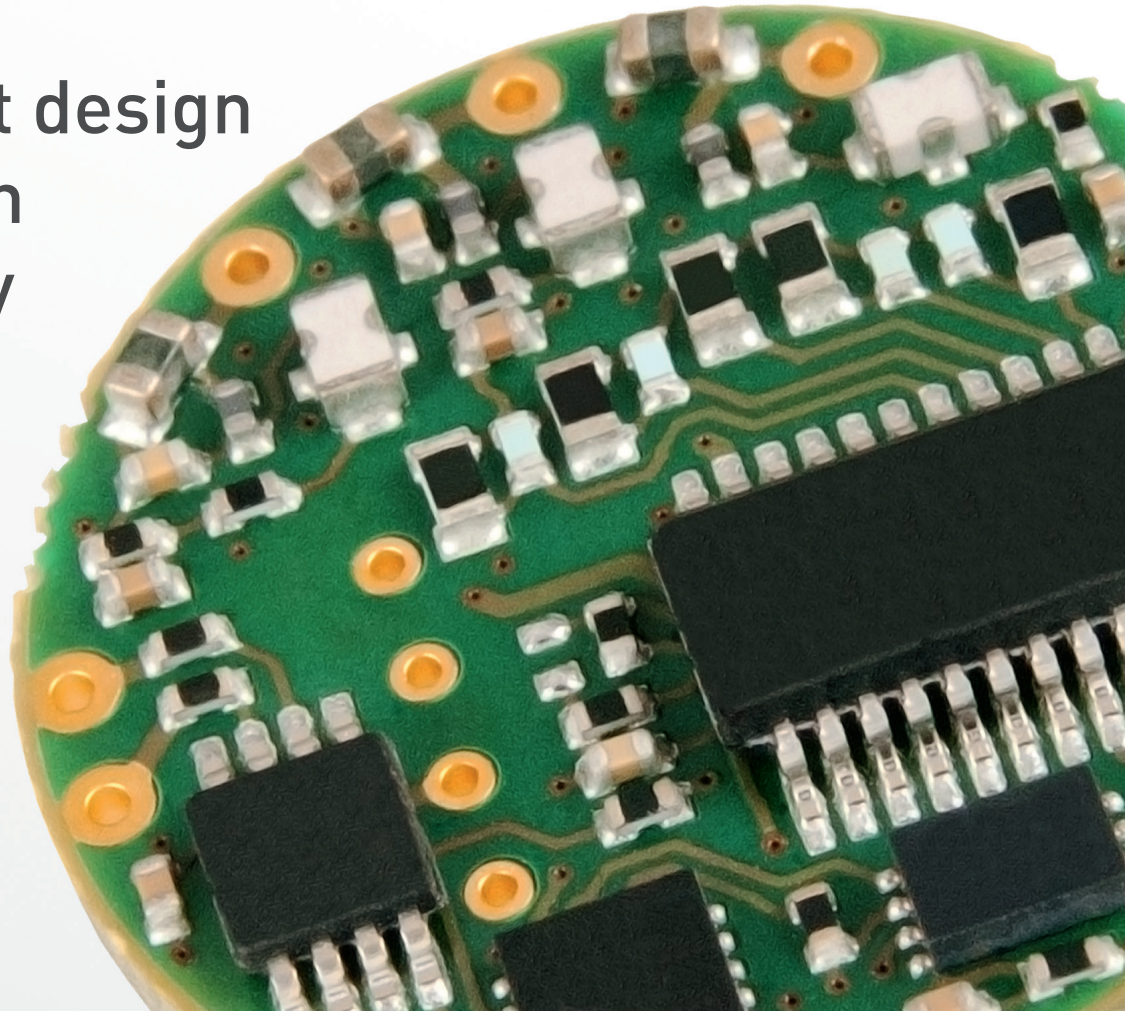


▶ **Compact design
with high
accuracy**

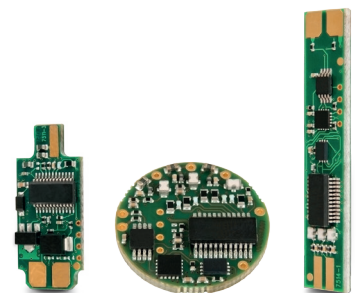


**KROHNE
INOR**

▶ **OEM201 –
Integrated temperature transmitters**

OEM201 is an analog temperature transmitter for integration into temperature sensors, systems or machines.

The small form factor and the three different designs, allows it to fit almost any application. Based on KROHNE INOR successful transmitter IPAQ C201, OEM201 offers high accuracy and fast response time. The transmitter range is available in preconfigured, as well as configurable versions.



OEM201

Usage

For integration into temperature sensors, systems or machines, for converting a low-level sensor output to an amplified signal.

Design

OEM201 has a small form factor and is available in three different designs. The transmitter is connected to the process and sensor with solder pads.

Technical details

Output	4...20 mA, temperature linear
Sensor element	Pt100 (IEC 60751, $\alpha=0.00385$) – 3-wire
Sensor break	Upscale (≥ 21.0 mA)
Sensor short-circuit	Downscale (≤ 3.6 mA)
Measuring range	0... +100°C / -50...+150°C
Ambient temperature	Operating: -40...+85°C Storage: -50...+100°C
Humidity	5 to 95% RH non condensing
Vibration	Acc. to IEC60068-2-6, test Fc, 10-2000Hz, 10g
Shock	Acc. to IEC60068-2-31, test Ec
EMC	Acc. to IEC61326-1*
Accuracy	$\pm 0,15^\circ\text{C}$ or $\pm 0,15\%$ of the measuring span
Long-term stability	$\pm 0.1\%$ of span per year
Response time	<10 ms
Galvanic isolation	No
Power supply	7.5 to 32 VDC
Permissible load	750 Ω @ 24 VDC

* Typical EMI immunity 0.15% of the measuring span, for some fq >1%

Ordering information

Product number	Product	Height	Weight	Configuration
4002910001	OEM201W	5.5 mm	1.8 g	0...+100°C
4002910101	OEM201W	5.5 mm	1.8 g	-50...+150°C
4003726701	OEM201W	5.5 mm	1.8 g	Configurable
4002910401	OEM201R	5.6 mm	1.7 g	0...+100°C
4002910501	OEM201R	5.6 mm	1.7 g	-50...+150°C
4003727001	OEM201R	5.6 mm	1.7 g	Configurable
4002910201	OEM201P	6.0 mm	2.3 g	0...+100°C
4002910301	OEM201P	6.0 mm	2.3 g	-50...+150°C
4003727101	OEM201P	6.0 mm	2.3 g	Configurable

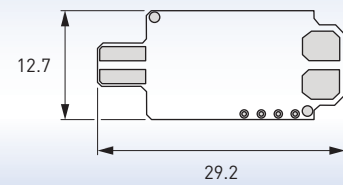
Other options are available on request. Please consult KROHNE INOR for further options.

Contact

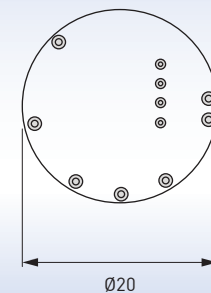
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sales@inor.se

Dimensions (in mm)

OEM201W



OEM201R



OEM201P

