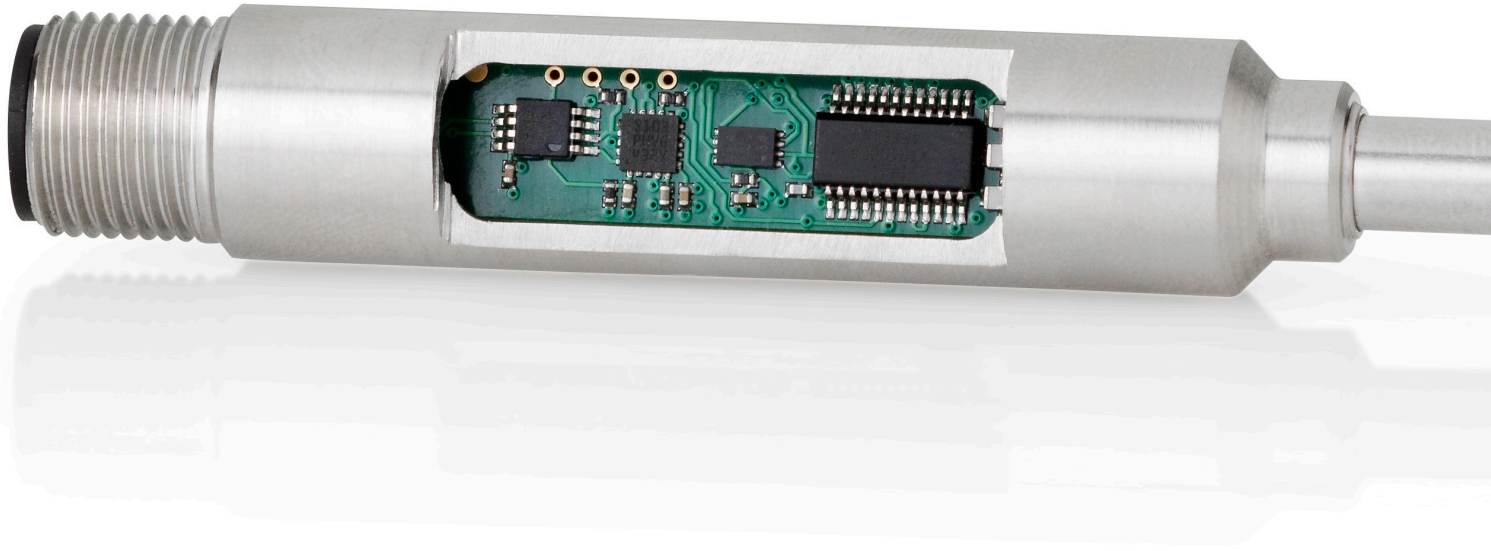


► More options, less limitations



INOR

OEM202 – Temperature transmitters to be built in

OEM202 is a digital temperature transmitter for integration into temperature sensors, systems or machines, for converting a low-signal level output to an amplified signal. Compatible with both Pt100 and Pt1000, as well as 2-, 3- and 4-wire connections, allows you to connect OEM202 to a wide range of sensors.

The small form factor and three different designs, makes it possible to fit almost any application. If it for some reason shouldn't fit an application, the design is customizable, which means that we can adjust it so it fits your needs.



OEM202W



OEM202R



OEM202P

Proven in use

OEM202 is based on INOR's latest transmitter platform which makes it very accurate and reliable. Just like the other transmitters in the new platform, it offers numerous smart features to give you a better control of your process.

Customizable to your needs

Already in the standard version, OEM202 offers high performance and many functions. Should that not be enough, we can make customizations to meet your specific needs. An example of such an adaptation is that we can enable measurement with PTC, NTC and PtX elements.

Smart features for reliable measurement

What stands out with OEM202 is its reliability. Smart functions such as sensor error correction and system error correction help you to automatically correct for known sensor and system errors. The transmitter can also detect if any of the sensor leads has been broken or short circuited, and will automatically force the output signal to a user defined level.

Technical details (standard versions)

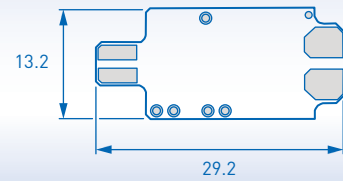
Sensor element	Pt100, Pt1000
Connection	2-, 3- and 4-wire
Max. sensor wire resistance	3- and 4-wire connection - 20 ohm/wire 2-wire connection - max 40 ohm in total
Output	According to Namur 43
Sensor break detection	Upscale / Downscale alarm
Sensor short detection	Upscale / Downscale alarm
Sensor error correction	±5°C
Measuring range	-200... +850°C / -328...+1562°F
Min span	20°C / 36°F
Ambient temperature	Operating: -40...+85°C / -40...+185°F Storage: -50...+100°C / -58...+212°F
Basic accuracy (PCBA)	Max. of ±0.1°C or ±0.1% of span*
Temperature drift(PCBA)	Max of ±0.01°C/°C or ±0.01%/°C of span
Long-term stability	Max of ±0.25°C or ±0.25% of span / 5 year
Humidity	0 ... 98% RH (non- condensing)
Vibration	Acc. to IEC60068-2-6, test Fc, 10-2000Hz, 10g
EMC	Acc. to IEC61326-1
Uncertainty	2.1uA
Dead time	< 400ms
Adjustable Filter	0.4 to 9.4 sec
Power supply	5 to 32 VDC

* Offset adjustment: Max 50% of selected max value

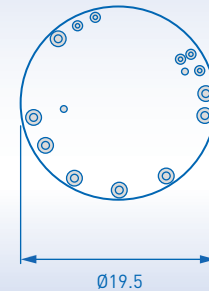
Dimensions (in mm)

OEM202 is available in 3 standard designs.

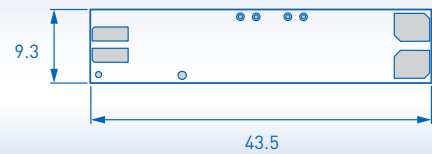
OEM202W



OEM202R

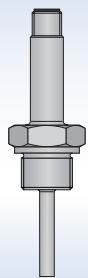


OEM202P



Application examples

- Integration into sensors
- Filling machines
- Engine monitoring
- Medical equipment
- Bearing temperatur



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