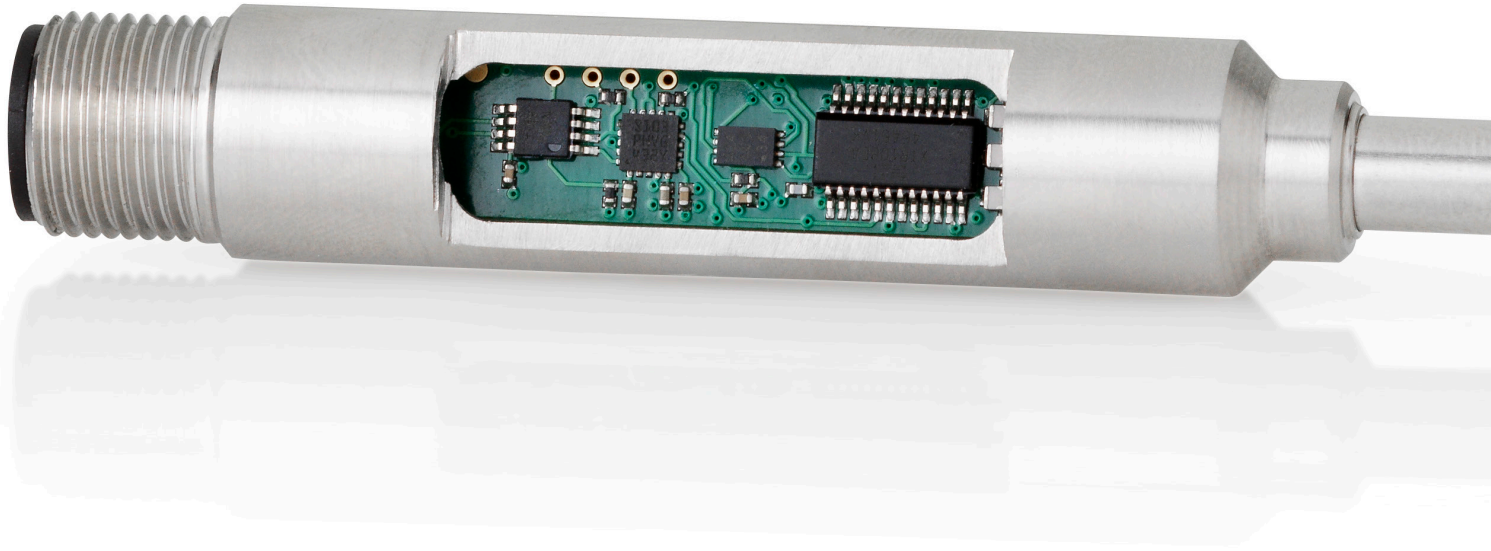


▶ More options, less limitations



INOR

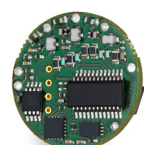
OEM202 – Temperature transmitters to be built in

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

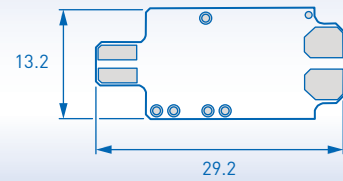
Contact

Inor Process AB
P.O. Box 9125
SE-200 39 Malmö
Sweden
Tel.: +46 40 312 560
Fax: +46 40 312 570
sales@inor.se

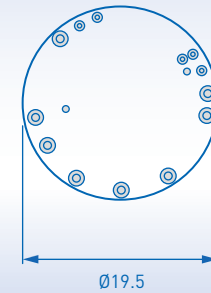
Dimensions (in mm)

OEM202 is available in 3 standard designs.

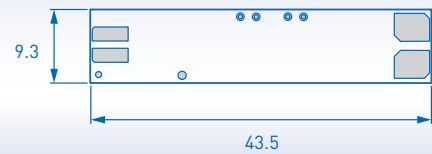
OEM202W



OEM202R

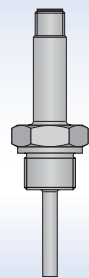


OEM202P



Application examples

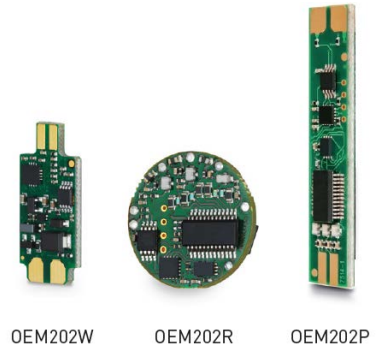
- Integration into sensors
- Filling machines
- Engine monitoring
- Medical equipment
- Bearing temperatur



www.inor.com

OEM202P Configuration & Installation

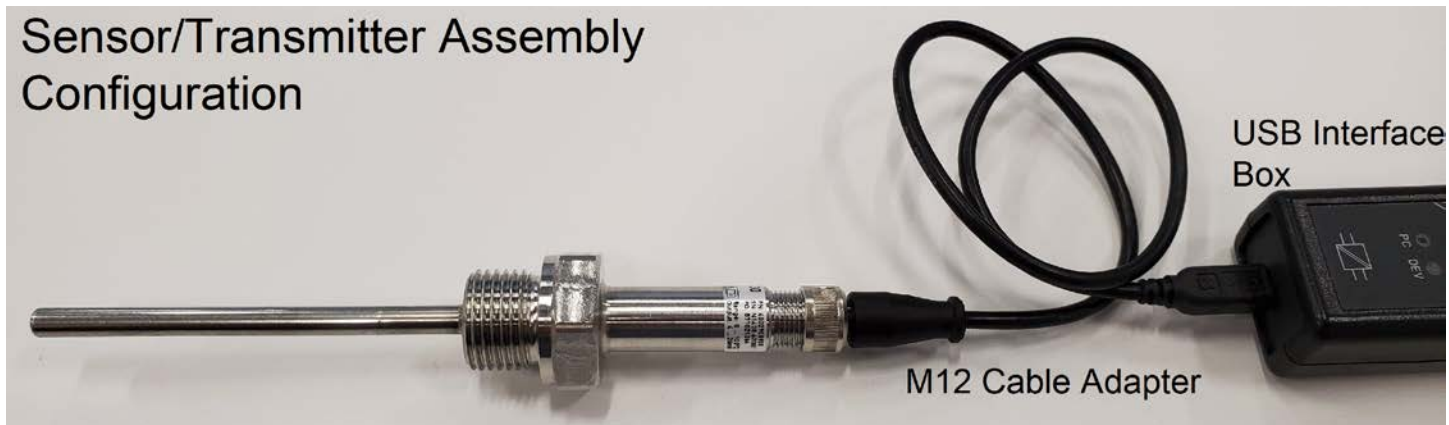
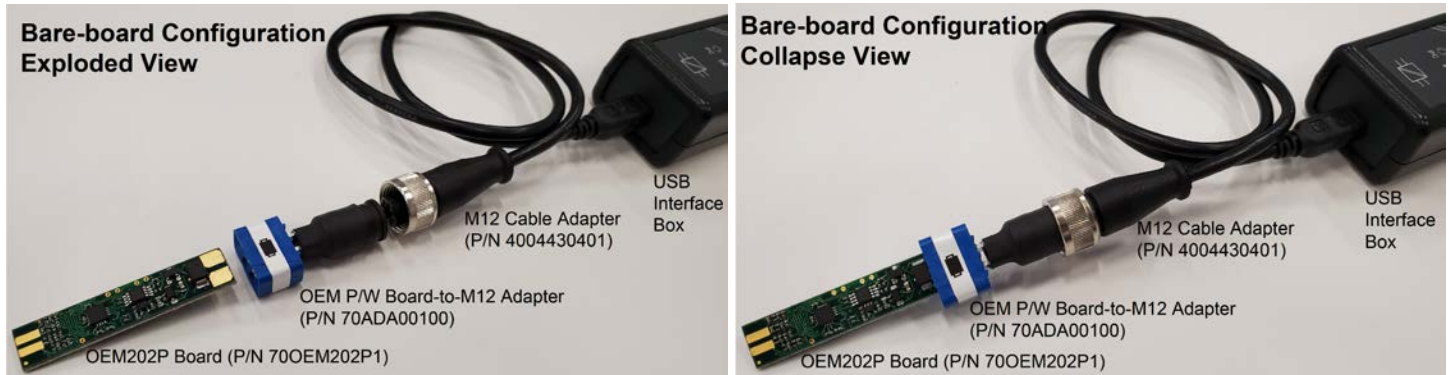
The OEM202P is a board-level temperature transmitter allows you to install the transmitter electronics in the transition of an RTD temperature sensor. An M12 termination is often used in these integral sensor/transmitter configurations. Configuration tools are available from INOR for both pre-installation of the board-level transmitter and post-installation/manufacturing of the sensor/transmitter assembly.



These latest OEM202 transmitters offer additional capabilities not previously offered by INOR.

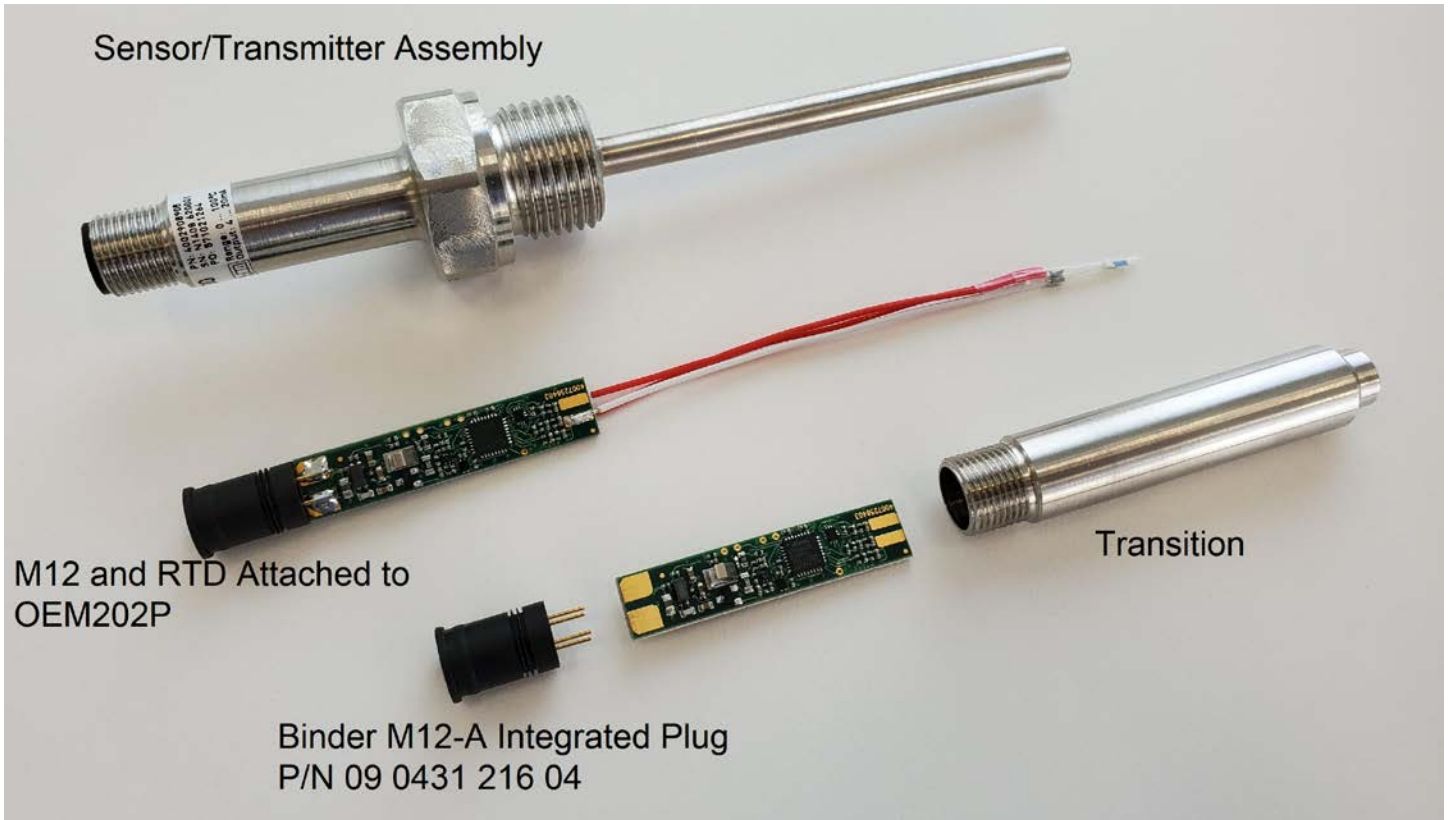
- Accepts Pt100 & Pt1000 RTDs
- 2-, 3- or 4-wire Configurations
- All Units are Configurable
- Configurable in °F and °C
- 20 °C Minimum Span
- Better Accuracy & Stability

The OEM202 transmitters are able to be configured with the INOR ConSoft® program, along with USB Interface and available cable adapters.

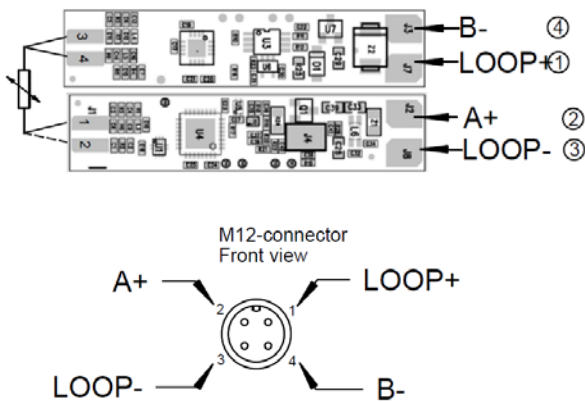


See reverse side for transition and M12 connector information.

Assembly of M12 Plug and OEM202P Board into Sensor Transition

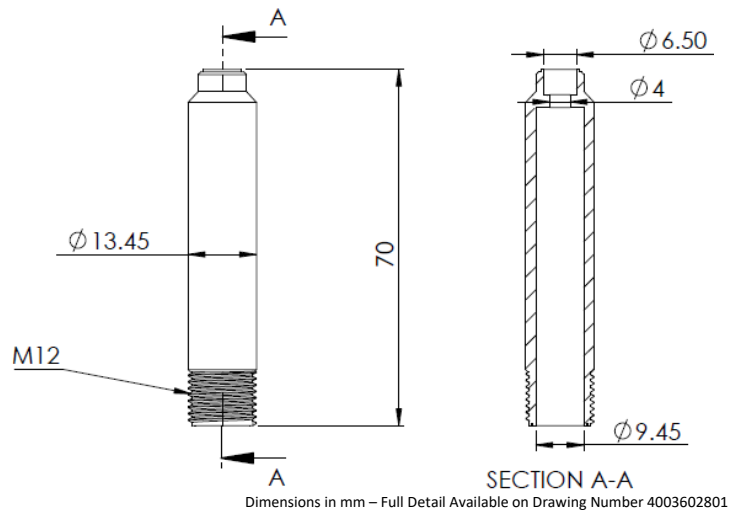


Wiring Information for OEM202P Transmitter and M12 Pin Designations



Full Wiring Diagram Available on Drawing Number 1000504859

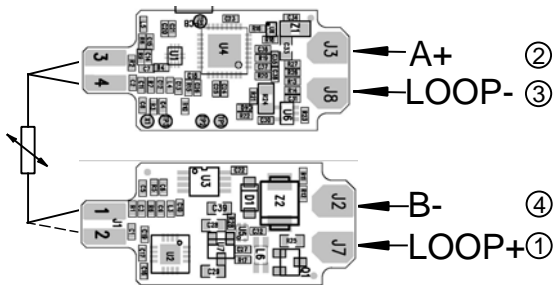
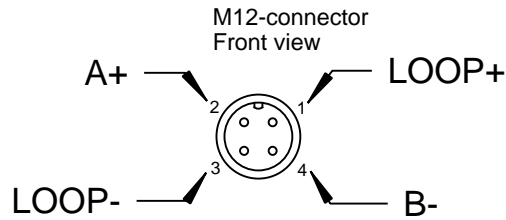
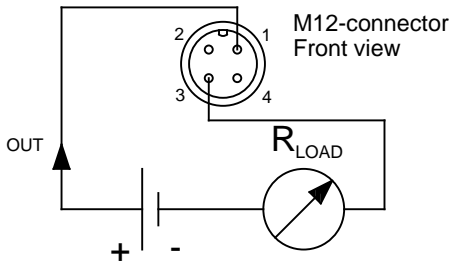
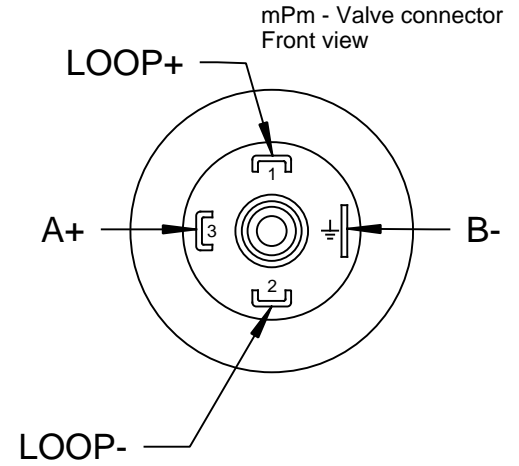
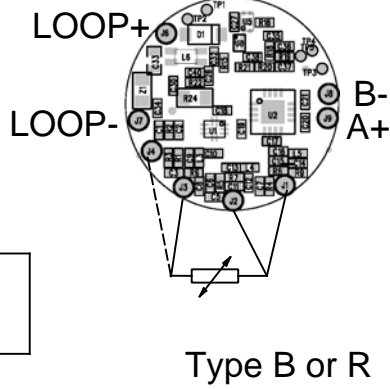
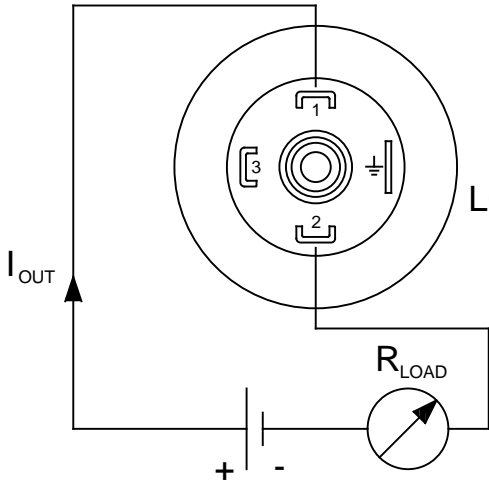
Transition Dimensions for use with INOR OEM202P and Binder 09 0431 216 04



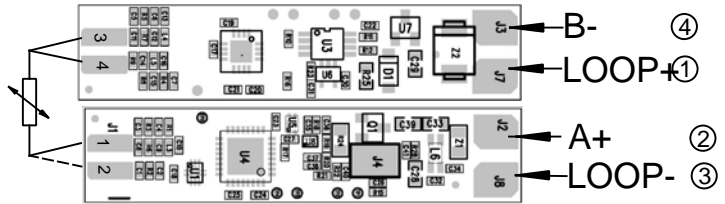
This drawing is property of Inor Process AB, Malmö, Sweden, without whose permission it may not be copied, and the contents thereof must not be imparted to third party nor be used for any unauthorized purpose. Contravention will be prosecuted.

Revision	Date	Comment	Approved by:
Rev _	190405	First release	

mPm - Valve connector
Front view

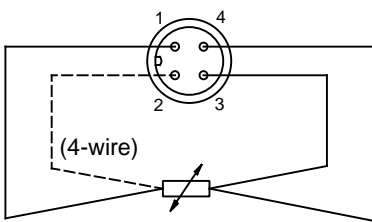


Type A or W

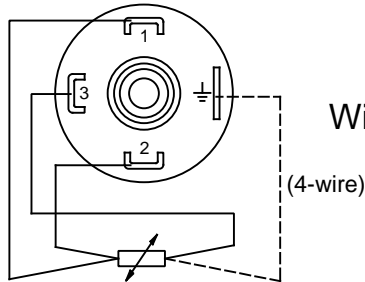


Type C or P

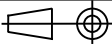
M12-connector
Front view



mPm - Valve connector
Front view



Without transmitter - 3-wire or 4-wire

Det.no.	Quantity	Description	Material	Drawing no.	Article no.
		Title: Wiring Diagram for compact sensors with M12 and mPm connectors with and without OEM202 transmitter	Treatment:		General tolerance: SS-ISO-2768-1 m General surface roughness Ra
		Date: 20190116 Scale: No of sheets: 1		Drawing number:	Projection:  Rev:
File: Wiring diagram OEM201_rev b	Designed by: HOM	Approved by: --	Sheet: 1	1000504859	