



▶ High performance and reliability

INOR

▶ **IPAQ C/R202 –
Dedicated for Pt100 sensors**

IPAQ 202 is a digital, easy-to-use temperature transmitter developed specifically for measurements with Pt100 sensors. Its robust design and high quality gives excellent performance and accuracy also under harsh conditions.

IPAQ 202 is available both as head mounted (C202) and rail mounted (R202) versions. The IPAQ C202 is also available with ATEX and IECEx certificates making it suitable for a wide range of applications.



IPAQ C202

IPAQ R202

High measuring accuracy over time

When it comes to measuring accuracy the IPAQ 202 will impress you with its performance, $\pm 0,1\%$ of temperature span and long-term deviation of maximum $\pm 0,1\%$ of span / year.

High reliability

The IPAQ 202 is a highly reliable and robust temperature transmitter. External influences such as the ambient temperature, vibrations, moisture and electromagnetic waves have minimal influence on the measurement result.

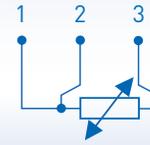
Easy configuration

The transmitter can easily be configured from a PC by using the ConSoft software and a ICON Configurations kit. Thanks to the user-friendly interface, you can within seconds set and re-set parameters like temperature measurement range, TAG identity and failure indication.

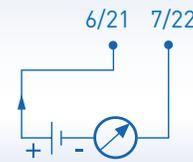
Technical details

Input	3-wire Pt100 $\alpha=0.00385$ IEC 60751
Output	4-20 mA
Sensor break	According to NAMUR NE43
Sensor short-circuit	According to NAMUR NE43
Measuring range	-200...+850 °C / -328...+1562 °F
Adjustments - Zero	Any value within range limits
Adjustments - Minimum span	20 °C / 36 °F
Error compensation	Sensor and system error correction
Ambient temperature	-40...+85°C / -40...+185°F
Humidity	0...98% RH (non-condensing)
Vibration	Acc. to IEC 60068-2-6:2007, test Fc, 10 to 2000 Hz, 10 g
EMC	Acc. to EN 61326-1 and EN 61326-2-3 Within requirements for measured span except surge: standard deviation 1% of span.
Accuracy	Max of $\pm 0,1K$ or $\pm 0,1\%$ of span
Long-term stability	Max. drift $\pm 0,1\%$ of span / year
Adjustable filtering level	0,13 to 54 s
Galvanic isolation	No
Ex-classifications (only for IPAQ C202X)	ATEX: II 1G Ex ia IIC T6...T4 Ga IECEx: Ex ia IIC T6...T4 Ga
Power supply	Standard version: 6...32 VDC Ex-version: 8...30 VDC
Runtime counter	Hour counter for elapsed operational time
Simulated output	Fixed current output during a maximum time of 15 min

Input connection



Output connection C/R



Output load diagram

