

▶ Designed for simplicity



Wireless configuration
with your smartphone!

INOR

APAQ C/R130 – Reliable transmitters for Pt100/Pt1000 and Thermocouple

The APAQ 130 transmitter family consists of APAQ 130^{TC} that works with thermocouple sensors and APAQ 130^{RTD} that works with Pt100 and Pt1000 sensors.

Our modern transmitter family have high reliability and great performance. External influences such as ambient temperature, vibration, moisture and EMC interference have minimal influence on the measurement result, thanks to the robust design.

What characterizes APAQ 130 is simplicity. You can easily configure the transmitters wirelessly via NFC[™] with your smartphone or tablet. There is no need for expensive configuration tools or fixed workstations for transmitter configuration.

Great performance at an attractive price makes the APAQ 130 an excellent choice.



APAQ C130

APAQ R130

Compact design for easy installation

What stands out with the APAQ 130 is its compact design. The head-mounted variant is only 10.5 mm high and can easily be installed in all DIN B connection heads. The rail mounted variant is only 6,3 mm wide, allowing you to save valuable space in your cabinet.

Highest quality to make you feel safe

The APAQ 130 is built on INOR's latest transmitter platform to leverage efficiencies and to meet the customer's need for digitalization. By building on an already established and well-proven platform, we ensure that the transmitters meet INOR's trademark of quality.

Get full control of your configurations

In the INOR Connect app, you can easily save and share configurations with your colleagues. You can also generate configuration protocols in PDF format for easy documentation. Configuring a transmitter has never been easier.

Technical Data

APAQ 130	RTD	TC
Input	Pt100, Pt1000	Thermocouple B, E, J, K, N, R, S and T
Output	4-20 mA , temperature linear, non galvanic separated	
Measuring range	-200...+850 °C -328...+1562 °F	Type J: -210...+1200 °C -346...+2192 °F Type K, N: -270...+1300 °C -454...+2372 °F Type R, S: -50...+1750 °C -58...+3182 °F Type B,E, T: see data sheet
Cold Junction compensation	n/a	Internal or fixed
Typical accuracy (Maximum of)	±0,15 K or ±0,15 % of span	Type E, J, K, N: ±1 K or ±0,2 % of span Type B, R, S, T: ±2 K or ±0,2 % of span
Sensor error	NAMUR NE43	
Adjustments – Zero point	Any value within range limits	
Adjustments – min.spans	20 °C / 36 °F	See data sheet or app
Power supply (Up)	6...32 VDC	
Permissible load	(Up-6 V)/0,022 A, 818 Ω @ 24 V	
Ambient temperature	-40...+85 °C / -40...+185 °F	
Humidity	0...98% RH (non-condensing)	
Vibration	IEC 60068-2-6, 10 g (APAQ C130), 5g (APAQ R130)	
EMC	EN 61326-1 and EN 61326-2-3	
Long-term stability	Max. drift ±0,05 % of span/year	
Adjustable filtering level	0,4 to 26 s	
Configuration	App: INOR Connect*	
Wireless connectivity	NFC™	

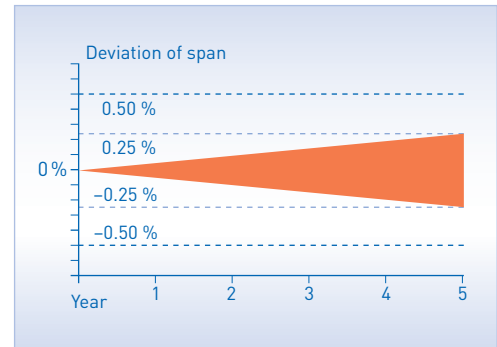
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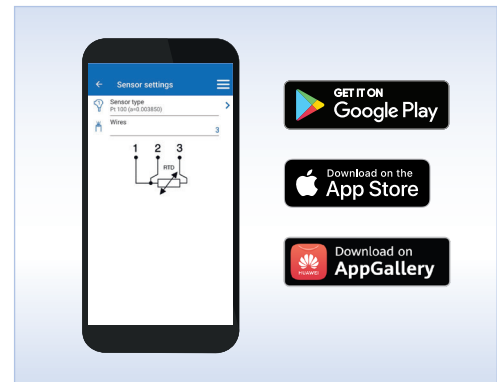
Reliable over time

Minimal drift of $\pm 0.05^\circ\text{C}$ or $\pm 0.05\%$ of span/ year reduces the need for calibration.



Configuration via the app INOR Connect

Configure the transmitter wirelessly without supply voltage and cables.



Copy and save time

Copy and paste a configuration to several transmitters in just a few seconds.



* Available for free download on App Store, Google Play Store and Huawei AppGallery

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Download App



APAQ C130^{TC}



APAQ C130^{RTD}

