

▶ Get full control
of your process



INOR

IPAQ C/R530 – Universal HART® 7 temperature transmitter

IPAQ 530 is a modern, HART® temperature transmitter developed to meet the highest standards of accuracy and reliability.

A universal transmitter compatible with RTD, thermocouples, voltage and potentiometer sensors, offering high flexibility and reduces the number of installed product variants.

It is fully compatible with HART® 7 and offers extended diagnostic information (for example device error, sensor and wiring conditions) making it reliable and highly precise.

IPAQ 530 supports communication via NFC® (Near-field communication) and Bluetooth® which makes it possible to configure and monitor the transmitter remotely.



IPAQ C530

IPAQ R530



1.800.561.8187

www.itm.com

information@itm.com

Configure IPAQ 530 wirelessly

Configure your IPAQ 530 wirelessly via NFC® by using the new app INOR Connect. The intuitive and easy-to-use interface in the app makes your job easy.

Complement with our new ICON-BT and you can configure and monitor your IPAQ 530 also via Bluetooth. Thanks to the extended range that Bluetooth offers you can connect to the transmitter without removing it from the process.

High reliability

The robust design of the IPAQ 530 makes it highly reliable even under the most demanding conditions. External influences such as ambient temperature, vibrations up to 10 g, moisture and EMC interference have minimal influence on the measuring result.

Full control of your process via HART® 7

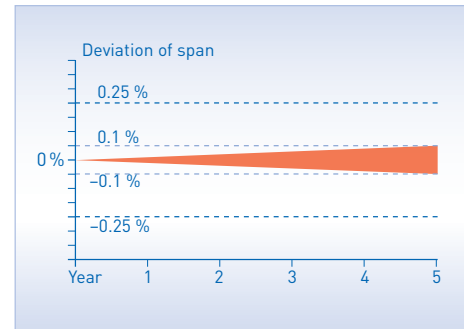
IPAQ 530 helps you to get full control of the process. In addition to enhanced diagnostics via HART® 7, the transmitter can also measure the ambient temperature and supply voltage it has been exposed to. This allows you to detect peaks that could damage the process control.

Technical specification

Input	Universal for RTD, TC, mV and ohm
Output	4...20 mA, HART® protocol
Sensor error	NAMUR NE43
Adjustments – Zero point	Any value within range limits
Adjustments – Min. span	10°C / 18°F or according to the sensor
Error compensation	Sensor and system error correction
Ambient temperature	-40...+85°C / -40...+185°F
Humidity	0...98% RH (non-condensing)
Vibration	IEC 60068-2-6, 10 g
EMC	EN 61326-1 and EN 61326-2-3
Typical accuracy	Max. $\pm 0.08\text{K}$ or $\pm 0.08\%$ of span
Adjustable filtering level	0.17 to 90 s (default 1.4 s) [3-wire RTD]
Galvanic isolation	1500 VAC
HART® compliance	Fully compliant with the HART® 7 protocol as well as the previous HART® 6 and 5.
Ex-classifications	ATEX: II 1G Ex ia IIC T6...T4 Ga IECEX: Ex ia IIC T6...T4 Ga
Power supply	Standard version: 8.5 ...36 VDC Ex-version: 8.5 ...30 VDC
Configuration	ConSoft, INOR Connect or EDD, DTM/FDT enabled systems
Runtime counter	Hour counter for elapsed operational time
Simulated output	Fixed current output during a maximum time of 15 min
Wireless connectivity	NFC® and Bluetooth*

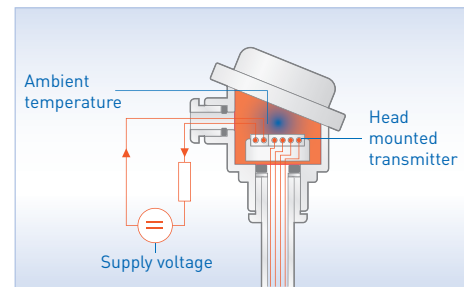
High accuracy over time

Minimal drift of $\pm 0.1^\circ\text{C}$ or $\pm 0.1\%$ of span over 5 years reduces calibration requirements.



Enhanced diagnostics

See what ambient temperature and supply voltage the IPAQ 530 has been exposed to.



Bluetooth® communication via ICON-BT

Monitor and configure your transmitter even in the tightest mounting locations.

