

PV

TEMPERATURE SIGNAL TO UNIFIED OUTPUT TRANSMITTERS

Temperature sensors work on different physical principles and have different output signals that carry information about the measured temperature. The transmitters convert this information into a unified signal that is readable by most evaluation units. In addition, this unified signal is generally more resistant to external interference.



Figure PV.1: INOR transmitters

Head Mounted Transmitters (Table PV.1)

Type	Input	Output	Settings	Notes
INOR APAQ C130 TC	Thermocouple - B, E, J, K, N, R, S, T	4 ... 20 mA	INOR CONNECT (NFC)	
INOR APAQ C130 RTD	RTD	4 ... 20 mA	INOR CONNECT (NFC)	
INOR IPAQ C202	RTD	4 ... 20 mA	PC WIN ConSoft (ICON USB adaptor)	
INOR miniPAQ - HLP	Thermocouple - B, C, E, J, K, L, N, R, S, T, U RTD	4 ... 20 mA	PC WIN ConSoft (ICON USB adaptor)	
INOR IPAQ C330	Thermocouple - B, C, D, E, J, K, N, R, S, T RTD, mV	4 ... 20 mA, galvanically separated	PC WIN ConSoft (ICON USB adaptor) INOR CONNECT (NFC, Bluetooth®)	
INOR IPAQ C530	Thermocouple - B, C, D, E, J, K, N, R, S, T RTD, mV	4 ... 20 mA, HART, galvanically separated	INOR CONNECT (NFC, Bluetooth®) PC WIN ConSoft (ICON USB adaptor)	
INOR IPAQ C520	Thermocouple - B, C, D, E, J, K, N, R, S, T RTD, mV	4 ... 20 mA, HART, galvanically separated	PC WIN ConSoft (ICON USB adaptor)	2 inputs (redundance) SIL 2 certificate, ATEX

Note: Detailed information on the individual transmitters can be found in the respective datasheets.

DIN Rail Mounted Transmitters (Table PV.2)

Type	Input	Output	Settings	Notes
INOR APAQ R130 TC	Thermocouple - B, E, J, K, N, R, S, T	4 ... 20 mA	INOR CONNECT (NFC)	
INOR APAQ R130 RTD	RTD	4 ... 20 mA	INOR CONNECT (NFC)	
INOR IPAQ R202	RTD	4 ... 20 mA	PC WIN ConSoft (ICON USB adaptor)	
INOR miniPAQ-L	Thermocouple - B, C, E, J, K, L, N, R, S, T, U RTD	4 ... 20 mA	PC WIN ConSoft (ICON USB adaptor)	
INOR IPAQ R330	Thermocouple - B, C, D, E, J, K, N, R, S, T RTD, mV	4 ... 20 mA, galvanically separated	PC WIN ConSoft (ICON USB adaptor) INOR CONNECT (NFC, Bluetooth®)	
INOR IPAQ R530	Thermocouple - B, C, D, E, J, K, N, R, S, T RTD, mV	4 ... 20 mA, HART, galvanically separated	INOR CONNECT (NFC, Bluetooth®) PC WIN ConSoft (ICON USB adaptor)	
INOR IPAQ R520	Thermocouple - B, C, D, E, J, K, N, R, S, T RTD, mV	4 ... 20 mA, HART, galvanically separated	PC WIN ConSoft (ICON USB adaptor)	2 inputs (redundance) SIL 2 certificate, ATEX

Note: Detailed information on the individual transmitters can be found in the respective datasheets.