

Temperature Transmitter Selection Table



	BASIC				UNIVERSAL		SMART	
	APAQ C130 ^{TC} APAQ R130 ^{TC}	APAQ C130 ^{RTD} APAQ R130 ^{RTD}	APAQ-3HPT APAQ-3LPT	IPAQ C202	IPAQ C330 IPAQ R330	IPAQ R460	IPAQ C530 IPAQ R530	IPAQ C520 IPAQ R520
Type								
In-head transmitter	✓	✓	✓	✓	✓	–	✓	✓
Rail transmitter	✓	✓	✓		✓	✓	✓	✓
Output / Power Supply connection	2-wire transmitter	2-wire transmitter	3-wire transmitter	2-wire transmitter	2-wire transmitter	4-wire transmitter	2-wire transmitter	2-wire transmitter
Available Certificates								
Ex Certification / Intrinsically safe	–	–	–	ATEX, IECEx (In-head)	ATEX, IECEx, cFMus	–	ATEX, IECEx, cFMus	ATEX, IECEx
Functional safety	–	–	–	–	–	–	–	SIL 2
Input								
Resistance thermometer	–	2-, 3- or 4-wire	3-wire	3-wire	2-, 3- or 4-wire	2-, 3- or 4-wire	2-, 3- or 4-wire	2-, 3- or 4-wire
Thermocouple	B, E, J, K, N, R, S, T	–	–	–	B,C,D,E,J,K,N,R,S,T	B,C,E,J,K,L,N,R,S,T,U	B,C,D,E,J,K,N,R,S,T	B,C,D,E,J,K,N,R,S,T
Other input types	–	–	–	–	mV, Ω	mV, Ω, KTY	mV, Ω	mV, Ω
Input / Channel								
1 input channel	✓	✓	✓	✓	✓	✓	✓	✓
2 input channels	–	–	–	–	–	–	–	✓
Output								
4-20 mA	✓	✓	–	✓	✓	✓	✓	✓
0-10 V	–	–	✓	–	–	✓	–	–
HART®	–	–	–	–	–	–	✓	✓
Accuracy								
Typical Accuracy	±0.2%	±0.15%	±0.15%	±0.1%	±0.08%	±0,1%	±0.08%	±0.05%
Electrical separation								
Galvanic isolation	–	–	–	–	1500 VAC	3000 VAC	1500 VAC	1500 VAC
Power Supply								
24 VDC	✓	✓	✓	✓	✓	✓	✓	✓
230 VAC	–	–	–	–	–	–	–	–
Configuration								
PC software ConSoft (USB)	–	–	–	✓	✓	–	✓	✓
HART®	–	–	–	–	–	–	✓	✓
NFC™	✓	✓	–	–	✓	–	✓	–
Bluetooth®	–	–	–	–	✓	–	✓	–
DIP-Switch / PC software INOR-Set (USB)	–	–	–	–	–	✓	–	–
Accessories								
Configuration kit ICON-X ¹⁾	–	–	–	✓	✓	–	✓	✓
Configuration kit ICON-BT ²⁾ / INOR-Set ³⁾	–	–	–	–	ICON-BT	INOR-Set	ICON-BT	–
App INOR Connect ⁴⁾	✓	✓	–	–	✓	–	✓	–

1) ICON-X is a configuration tool provided by INOR to configure most temperature transmitters. The communication with the connected transmitter is automatically established with the ConSoft software. ICON-X also has built-in protection for Ex-certified transmitters.



2) ICON-BT, offers a possibility to configure and monitor transmitters. Connect your smartphone/tablet via Bluetooth to the transmitter and configure it via the INOR Connect app. 3) INOR-Set is an USB-Interface for connecting the transmitter to a PC and configure with PC software INOR-Set.



4) Mobile app for wireless configuration of the transmitter series APAQ 130, IPAQ 330 and IPAQ 530 via NFC. Just download INOR Connect.

