Temperature Transmitter Selection Table

INOR

	BASIC				UNIVERSAL			SMART	
	APAQ C130TC / APAQ R130TC	APAQ C130RTD / APAQ R130RTD	IPAQ C202	IPAQ C310RTD	MiniIPAQ C230 / MiniIPAQ R230	IPAQ C330 / IPAQ R330	IPAQ R460	IPAQ C530 / IPAQ R530	IPAQ C520 / IPAQ R520
Type									
In-head transmitter	✓	✓	✓	✓	✓	✓	–	✓	✓
Rail transmitter	✓	✓	–	–	✓	✓	✓	✓	✓
Output / Power Supply connnection	2-wire transmitter	2-wire transmitter	2-wire transmitter	2-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	2-, 3- or 4-wire	2-, 3- or 4-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,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	–	–	–	Ω	–	mV, Ω	mV, Ω, KTY	mV, Ω	mV, Ω
Input / Channel									
1 input channel	✓	✓	✓	✓	✓	✓	✓	✓	✓
2 input channel	–	–	–	–	–	–	–	–	✓
Output									
4-20 mA	✓	✓	✓	✓	✓	✓	✓	✓	✓
0-10 V	–	–	–	–	–	–	✓	–	–
HART®	–	–	–	–	–	–	–	✓	✓
Accuracy									
Typical Accuracy	±0.2%	±0.15%	±0.1%	±0.1%	±0.15%	±0.08%	±0,1%	±0.08%	±0.05%
Electrical separation									
Galvanic isolation	–	–	–	1500 VAC	–	1500 VAC	3000 VAC	1500 VAC	1500 VAC
Power Supply									
24 VDC (Loop Power Supply)	✓	✓	✓	✓	✓	✓	–	✓	✓
24 VDC (Separate Power Supply)	–	–	–	–	–	–	✓	–	–
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	ICON-BT	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 C310RTD, IPAQ 330 and IPAQ 530 via NFC. Just download INOR Connect.

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