

Transmitter Selection Guide



Transmitters

Model Series	DTG-RTD100	PRTXD	TX69	TX86	TX41	TXDIN101	TXDIN70	TXDIN1600	UWTC	SPRTX-SS	SPRTX/STCTX
Input Types	-	-	Universal	Universal	J, K, E, T, B, R, S, N	Universal	Universal	Universal	J, K, E, B, R, S, T, N, C	-	J, K, T, E, R, S
RTD	Y	Y	Y	Y	Y	Y	Y	Y	N	Y	Y
Other	Wireless option	NEMA 4X housing	mV and V input options	Solid state relay output	Display/prog module	mV and V input options	Display/prog module	Configuration via USB port	Wireless transmitter	Sanitary sensor	Encapsulated housing
Features	Analog output	LCD display	Galvanic isolation	LED display	4 Isolated open collector outputs RS232/485	Galvanic isolation	Two-channel transmitters	Isolated input	Computer interface USB	Water tight connector housing	Built into connector
Programmable Inputs	N	N	Y	N	N	Y	Y	Y	Y	N	N
Accuracy*	H	MH	MH	MH	MH	MH	MH	MH	MH	MH	M
Isolation	N	Y	Y	Y	Y	Y	Y	Y	Y	-	N
Power	12 to 24 Vdc	8 to 32 Vdc	13 to 36 Vdc	12 to 30 Vdc	115 Vac/230 Vac	13 to 36 Vdc	100 to 240 Vac/24 Vdc/ac	11 to 30 Vdc	3.6V AA battery	9 to 24 Vdc	9 to 36 Vdc
Protection Head Mount	N	N	N	NB1	N	N	N	N	N	N	N
Track Mount	N	N	N	N	Y	Y	Y	Y	N	N	N
Linearized to Temperature	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Upscale Break Protection	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Outputs 4 to 20 mA	Y	Y	Y	Y	Y	Y	Y	Y	RF output	Y	Y

Notes

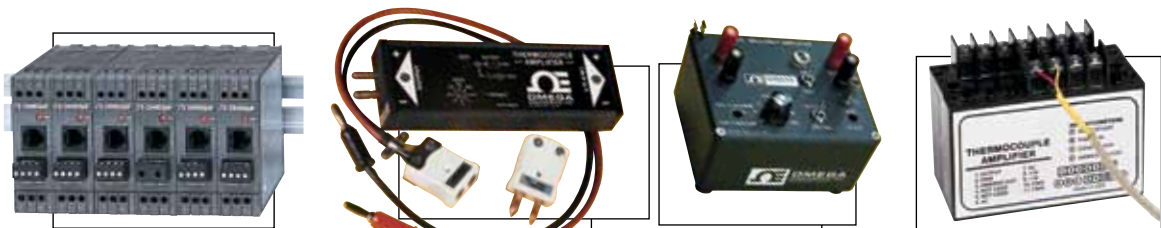
*Accuracy Guide:

M = Medium

MH = Medium High

H = High

VH = Very High



Transmitters Systems

Model Series	iDRN/iDRX
Mount	DIN rail
Inputs	TC, RTD, mV, mA, A, strain pulse
Features	Computer configuration

Amplifiers

Model Series	OMNI-AMP	OMNI-AMP II	OMNI-AMP IV
Input	mV	Thermocouple	Thermocouple
Features	Gains up to 100X Small size Uses OST type connectors	Desktop style Works with K, J, T, E, S, R, C, D thermocouples Includes cold	Works with J, K, T, E, R, S, B thermocouples Uses screw terminals Up or down scale burn out



Transmitters

Model Series	TX12/ TX13	TX91A TX92A	TX93A/ TX94A	TX91/ TX92	TX93/TX94 TX95	TX31	TX33	TX900 Series	TX250	TX70	TX1500 SERIES
Input Types	J, K, T, E N, R, S	J, K, T, E	-	J, K, T, E R, S	J, K, T, E R, S	J, K, T, E R, S, B	-	J, K, T, E	J, K, T E, R, S	J, K, T,	J, K, T, E E, R, S
RTD	Y	Y	Y	Y	Y	N	Y	Y	Y	Y	Y
Other	Pushbutton configuration	-	-	-	-	-	-	mV and V input options	-	-	mV, mA and V input options
Features	Galvanic isolation	-	-	Intrinsically safe	-	Galvanic isolation	Multi- ranges available	TX903 isolated	-	Isolated	Isolated
Programmable Inputs	Y	N	N	N	N	N	N	N	N	Y	N
Accuracy*	MH	MH	MH	MH	MH	MH	MH	MH	MH	H	H
Isolation	Y	N	N	N	N	Y	N	N	N	Y	Y
Power	10 to 30 Vdc	11 to 44 Vdc	11 to 44 Vdc	11 to 44 Vdc	8 to 35 Vdc	12 to 32 Vdc	10 to 32 Vdc	8 to 35 Vdc	10 to 36 Vdc	12 to 80 Vdc	9 to 50 Vdc
Protection Head Mount	N	NB1	NB1	NB1	NB1	N	N	NB1	NB1	HEP-TX70	EPH EWP
Track Mount	-	Y	N	Y	Y	N	N	Y	Y	N	Y
Linearized to Temperature	N	N	N	N	N	Y	Y	N	N	N	N
Upscale Break Protection	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Outputs 4 to 20 mA	Y	Y	Y	Y	Y	Y	Y	Y	Y	4 to 20 mA 10 to 50 mA	Y

