

2-WIRE TEMP. TRANSMITTER WITH SENSOR

TS^(1.1)

FEATURE

- Accuracy: RTD: 0.5%, T/C: 0.75%
- Wide selection of input
- Low output ripple
- High stability & low cost



SPECIFICATION

2 - WIRE TEMP. TRANSMITTER

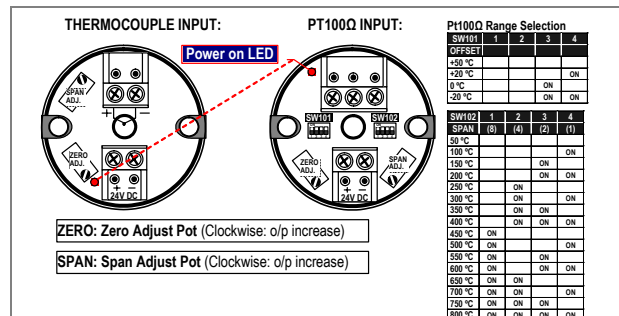
Input Range	Input Impedance	Output Range	Load Resistance
Type K, 0 ~ 1200°C	≥ 1M ohm	4 ~ 20 mA	$\leq (V_s - 12) / 20\text{mA}$ (ohm)
Type J, 0 ~ 1000°C	≥ 1M ohm		
Type E, 0 ~ 800°C	≥ 1M ohm		
Type T, -50 ~ 400°C	≥ 1M ohm		
Pt100Ω, -100 ~ 800°C	≥ 10M ohm		

Accuracy:	RTD (Pt100): ±0.15% of R.O.
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Response time:	T/C (K, J, E, T): ±0.3% of R.O.
Span adjustment:	≤ 300 msec.
Zero adjustment:	≤ 10% of R.O.
Output ripple:	≤ 5% of R.O.
Power Supply:	≤ 0.3% of R.O.
Open circuit protection:	DC 16 ~ 36V
Operating temperature:	Upscale > 22mA
Operating relative humidity:	0~60°C
Temperature coefficient:	20~95 %RH
Cold junction compensation:	≤ 100 PPM/°C
Storage temperature:	25±10°C, error ≤ 0.5°C
Weight:	-10~70°C
	50g

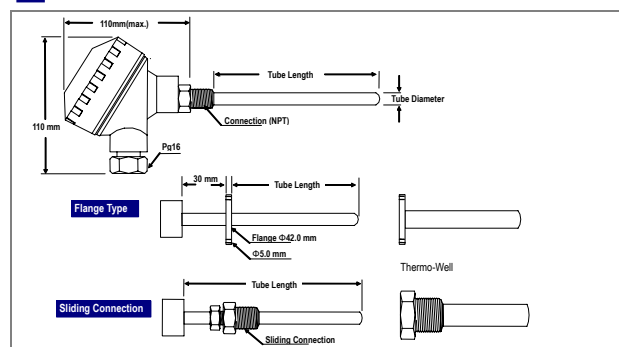
MECHANICAL:

Material:	Tube, Connection: St. Steel 316
Tube diameter:	Head: Aluminum case
Connection:	3.2, 4.8, 6.4, 8.0, 9.0, 12.75 mm
Thermo-Well:	1/4", 3/8", 1/2" NPT or PT male
	Sliding connection or Flange available
	1/4", 3/8", 1/2" NPT or PT male
	Flange available

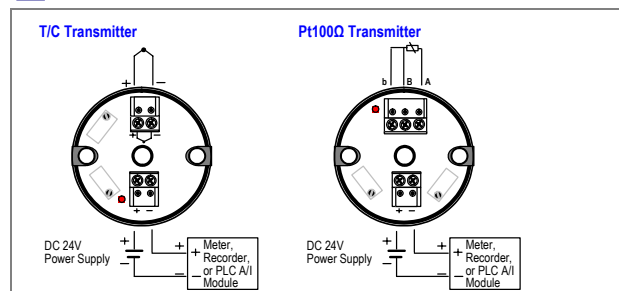
ADJUSTMENT



DIMENSIONS



CONNECTION DIAGRAM



ORDER INFORMATION

TS	Input Type	Input Range	Tube Length	Tube Diameter	Connection	Thermo-Well
	RTD THERMOCOUPLE	CODE	TEMPERATURE RANGE	CODE LENGTH	CODE DIAMETER	CODE CONNECTION
	P K J E T	A	-50 ~ +100°C	03 30 mm	3 3.2 mm	N2 1/4" NPT
		B	-10 ~ +40°C	04 40 mm	4 4.8 mm	N3 3/8" NPT
		C	0 ~ 50°C	05 50 mm	6 6.4 mm	N4 1/2" NPT
		D	0 ~ 100°C	06 60 mm	8 8.0 mm	P2 1/4" PT
		E	0 ~ 200°C	08 80 mm	9 9.0 mm	P3 3/8" PT
		F	0 ~ 400°C	10 100 mm	C 12.75 mm	P4 1/2" PT
		G	0 ~ 500°C	12 120 mm	O Specify	G2 1/4" PF
		H	0 ~ 600°C	15 150 mm		G3 3/8" PF
		I	0 ~ 800°C	20 200 mm		G4 1/2" PF
		J	0 ~ 1000°C	25 250 mm		S2 1/4" NPT Sliding
		K	0 ~ 1200°C	30 300 mm		S3 1/4" NPT Sliding
		O	Specify	40 400 mm		S4 1/4" NPT Sliding
				O Specify		F4 Ø42mm Flange
						N None
						O Specify

Amend: 2006/11/23: Connection Code change for GX and PX

ET-01

CSEC-07/01