TEMPERATURE

1000 OHM PLATINUM RTD RANGEABLE TEMPERATURE TRANSMITTER TT809 SERIES



DESCRIPTION

The Minco TT809 is a 1000 Ω Platinum RTD User-Rangeable Temperature Transmitter. Zero setting can be anywhere from -50° to 212°F (-45° to 100°C) and span from 30° to 320°F (17° to 180°C). The TT809 comes factory calibrated, and once installed, it can be field calibrated with high precision DVM and decade box. The TT809 is easily calibrated by adjusting the zero pot to match the calibration reference.

The gasketed cast-metal housing provides excellent weather resistance. The screw terminal connections on the transmitter circuit, 1/2" NPT threaded connection, and adjustable mounting brackets simplify installation. Several varieties of precision 1000Ω platinum RTD probes are easily mated with the transmitter housing.

FEATURES

- · Switch-set rangeable with zero and span
- One-point field calibration
- Non-polar loop connections
- · Weatherproof sensor interface housing
- · Non-interacting zero/span adjustment



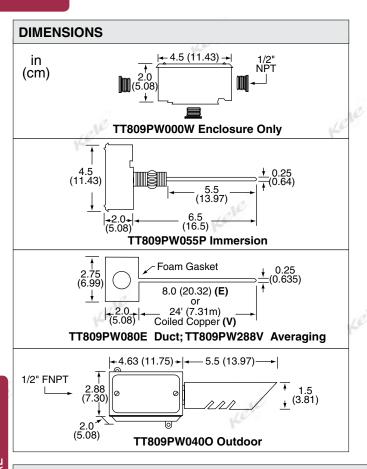


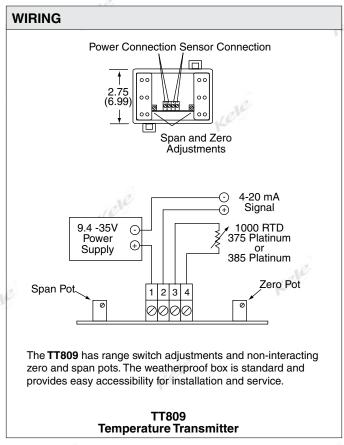


SPECIFICATIONS			
Supply Voltage Accuracy Transmitter linearity	9.4-35 VDC Transmitter accuracy ±0.1% of span ±0.1% of span	Wiring Terminations	Screw terminals; non-polar, for connections either way; 4" (10 cm) 22 AWG leads
Sensor accuracy	±0.12%	Weight	
Signal Output	4-20 mA @ 730Ω , two-wire, loop powered	Duct AVG	0.8 lb (0.36 Kg)
Rangeability	Zero -50° to 212°F (-45° to 100°C)	12'	1.5 lb (0.68 Kg)
Span	30° to 320°F (17° to 180°C)	24'	2 lb (0.91 Kg)
Sensor Type	1000 platinum RTD, two-wire	50'	3.6 lb (1.63 Kg)
	0.00375 Ω/Ω/°C TCR	OSA	0.75 lb (0.34 Kg)
	0.00385 Ω/Ω/°C TCR	Immersion	0.75 lb (0.34 Kg)
Operating Temperatur	e -40° to 185°F (-40° to 85°C)	Wall	0.75 lb (0.34 Kg)
Enclosure	Cast aluminum moisture-resistant 1/2" FNPT and gasketed cover, suitable for outdoor use, UL #459L	Warranty	3 years
Averaging Sensor Probe	Copper Stainless steel		

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ORDERING INFORMATION

MODEL	DES	CRIPT	ION				Sample order:				
TT809	Asse	mbly p	robe f	or two	o-wire I	RTDs		TT809PW080E1S1 Transmitter with 8" duct			
	PW	1000	Ω 0.0	375 ⊆	2/Ω/°C	platir	ium curve, 6" leads		probe, 375 curve platinum		
		LLL	Len	gth LI	LL in 0	.1" in	crements 040 = 4.0", 120 = 12.0", 0.000 for "W" without sensors	RTD, ranged for 0°/100°l			
			Е	Duc	ct mou	nt, we	eather-resistant box, LLL typically = 8.0"	TT809PW055P1BI2 Transmitter with 5.5"			
		V Duct averaging, weather-resistant box, LLL must be = 144", 288", or 600"						immersion probe, 375			
			0	Out	tside ai	ir, we	ather-resistant box with weather shield, LLL = 4.0"	curve RTD, with NIST			
			Р	Imr	nersior	ı, wea	ather-resistant box, LLL typically = 5.5" for 6" well insertion	at 0°C, ranged for 30°/130			
			w	Wa	II mour	nt, we	ather-resistant box, LLL typically 4.0" or 000 for no probe"*	TT809PW000W1N1	Transmitter only for two-		
				1 4-20 mA DC output					wire 1000Ω, 375 curve		
ВІ			BI	Ra	nge codes 30°/130°F (-1°/54°C)	- RTD, ranged for 32°/122°F					
S Ran			S	Ra	nge codes 0°/100°F (-18°/38°C)	*Must order sensor separately.					
H			Н	Ra	nge codes 40°/90°F (4°/32°C)						
N					N	Ra	nge codes 32°/122°F (0°/50°C)				
EN					EN	Ra	nge codes -20°/140°F (-29°/60°C)				
						1	No calibration data, sensor, or transmitter				
						2	Sensor/transmitter matched at 0°C with NIST				
3 Sensor/transmitter matched at 0°, 100°, an						3	Sensor/transmitter matched at 0°, 100°, and 260°C with NIST				

RELATED PRODUCTS

CC-1G-K Plastic capillary and sensor holder mounting clip Power supply, 24 VAC IN to 24 VDC OUT DCP-1.5-W Power supply, 120 VAC IN to 24 VAC/24 VDC OUT DCPA-1.2 M-648-K Copper-clad capillary mounting clip Thermal conductive compound 111 ml tub **TCC-111** WB-6 Brass well

WS-6 Stainless steel well