



Order from: C A Briggs Company 622 Mary Street; Suite 101; Warminster, PA 18974

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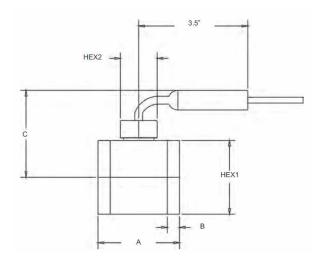


Description

TSP temperature sensors are ideal for measuring the temperature of liquids and gases in pipes up to 1-1/2" in diameter. The sensor is conveniently installed into a threaded pipe tee made of either brass or stainless steel. Installation is hassle free and easy. The TSP comes with either a Pt-100 RTD or a fixed range, integral 4-20 mA transmitter as an output. The simple and economical design makes it an ideal choice for OEM applications and end users who are looking for a reliable solution at a reasonable price.

Technical D)etails
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Temperature Range: Max. Pressure:	-40300 °F 750 PSIG
Materials	
Brass Models:	Brass, 316 SS, FKM
SS Models:	316 SS, 304 SS, FKM
Electrical Specifications	
Outputs:	RTD or 4-20 mA Integral Transmitter
RTD Type:	Pt-100, 3-wire, Class B per DIN EN 60751
	(a = 0.00385)
Transmitter	
Туре:	4-20 mA, 2-wire, Fixed Range
Supply Voltage:	10-30 V _{DC}
Max. Loop Load:	50 (V _{supply} -10) ohms
Accuracy:	± 0.5% of Span
Zero/Span Drift:	0.025% / °F
Electrical Connection:	6 ft PTFE-Jacketed Cable,
	with or without SS Armor
Protection:	NEMA 6P, IP 67



Dimensions (in inches)

Model Number/Thread	Α	В	С	HEX ₁	HEX_2
TSP-5N2 (1/4" NPT)	1.97	0.39	2.45	1.06	1.18
TSP-5N3 (3/8" NPT)	1.97	0.39	2.45	1.06	1.18
TSP-5N4 (1/2" NPT)	1.97	0.39	2.45	1.06	1.18
TSP-5N5 (3/4" NPT)	2.05	0.59	2.51	1.25	1.18
TSP-5N6 (1" NPT)	2.20	0.59	2.61	1.54	1.18
TSP-5N7 (1-1/4" NPT)	2.60		2.80	1.97	1.18
TSP-5N8 (1-1/2" NPT)	2.60		2.92	2.36	1.18

Order Details (Example: TSP-52 20 N4 TAC)

Material	Output Type / Measuring Range	Fitting	Cable	Options
	05 = Pt-100 RTD (-40300 °F)	N2 = 1/4" NPT		
TSP-51 = Brass	10 = 4-20 mA (-4050 °F) 15 = 4-20 mA (-40120 °F)	N3 = 3/8" NPT N4 = 1/2" NPT	TA = 6 ft PTFE with SS Armor	C = 1/2" NPT Conduit Fitting
TSP-52 = SS	20 = 4-20 mA (0120 °F) 25 = 4-20 mA (32250 °F)	N5 = 3/4" NPT N6 = 1" NPT	TF = 6 ft PTFE	EC = Extended Cable Length (Specify Length when Ordering)
101-02 00	30 = 4-20 mA (32300 °F)	N7 = 1-1/4" NPT		(-,)
	YY = 4-20 mA (Custom Range)	N8 = 1-1/2" NPT		