

Thermometers

Application

Thermowells for temperature instruments are recommended for all process systems where pressure, velocity or viscous, abrasive and corrosive materials are present individually or in combination. A properly selected thermowell will protect the temperature instrument from possible damage resulting from these process variables. Furthermore, a thermowell permits removal of the temperature instrument for replacement, repair or testing without effecting the process media or the system.



Weld-In Configuration

Standard Features

Process Connections

1½" nominal pipe size

Instrument Connection

½" NPSM Standard

Bore Diameter

.260", .385"

Materials

304 SS, 316 SS, Carbon Steel
(Other materials available on application)

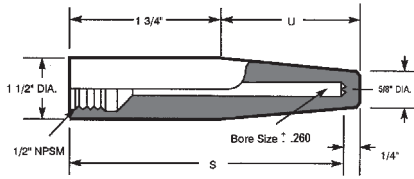
Surface Finish

AISI 304 & AISI 316: 16-32 Ra

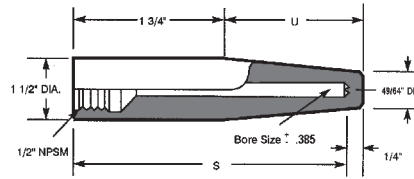
Ordering Information

See current WIKA Catalog or WIKA Price List for ordering information

Dimensions:



WI2T



WI3T

Well Type	Stem Length S	Insertion Length U
1 1/2"	4"	2 1/2"
	6"	4 1/2"
	9"	7 1/2"
	12"	10 1/2"
	15"	13 1/2"
	18"	16 1/2"
24"	22 1/2"	

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Material	Temperature - °F. (WI2T)						
	70°	200°	400°	600°	800°	1000°	1200°
Carbon Steel	5950	5750	5450	5250	4000	1750	-----
A.I.S.I. - 304	7800	7050	6400	6150	6000	5190	1875
A.I.S.I. - 316	7800	7800	7250	7100	6950	5800	2720
F-11	7350	7350	7350	7350	7350	2898	504
F-22	7224	7224	7224	7224	7098	3192	546

Material	Temperature - °F. (WI3T)						
	70°	200°	400°	600°	800°	1000°	1200°
Carbon Steel	5200	5000	4800	4600	3500	1500	-----
A.I.S.I. 304	7000	6200	5600	5400	5200	4500	1650
A.I.S.I. - 316	7000	7000	6400	6200	6100	5100	2500
F-11	6562	6562	6562	6562	6562	2587	450
F-22	6450	6450	6450	6450	6337	2850	487

Well Type	Material	Insertion Length - "U"							
		2 1/2	4 1/2	7 1/2	10 1/2	13 1/2	16 1/2	19 1/2	22 1/2
1 1/2" WI2T	Carbon Steel	493 (306)	220 (170)	79.4	40.5	24.5	16.4	11.7	8.8
	A.I.S.I. - 304 & 316	539 (443)	233.5 (231)	84	42.8	25.9	17.3	12.4	9.3
	F-11 or F-22	549 (451)	237 (235)	85.5	43	26.4	17.6	12.6	9.5
1 1/2" WI3T	Carbon Steel	451 (286)	269 (159)	96.9	49	29.9	20	14	10.7
	A.I.S.I. 304 & 316	531 (385)	285 (220)	102	52	31.6	21.2	15	11.4
	F-11 or F-22	542 (392)	290 (224)	104	53.2	32	21.5	15.4	11.6

Ordering Information:

State computer part number (if available) / type number / size / range / connection size and location / options required.

Specifications given in this price list represent the state of engineering at the time of printing. Modifications may take place and the specified materials may change without prior notice



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