

A Leading Manufacturer of Quality Thermocouple and RTD Assemblies Since 1972

Thermowells

Thermowells are used to provide an isolation between a temperature sensor and the environment, either liquid, gas or slurry. A thermowell allows the temperature sensor to be removed and replaced without compromising either the ambient region or the process.

Care must be taken in determining the material used for the thermowell as well as other factors. Thermo Sensors offers design assistance that includes pressure, temperature and or corrosion as well as vibration effects of the fluids. This vibration can cause well stem failure.



Thermo Sensors thermowell materials include:

- Carbon Steel
- 304 & 316 Stainless Steel
- Monel
- Brass

Please refer to our order guide to assist in determining your needs. We can also provide technical design assistance and application suggestions. Give us a call.

Limited Space / Weld-In Thermowells

Limited Space Thermowells

Limited space thermometer wells for 1/4" diameter stems with 2 1/2" stem lengths.

Application

Bimetal thermometers, thermocouples and RTD's with 1/4" diameter stems and 2 1/2" length.

Thread Connections

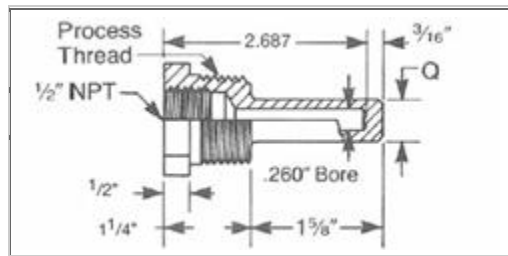
Standard wells have either a 3/4" or 1" NPT process connection and a 1/2" NPT internal thread. Other thread sizes are available.

Material

Thermometer wells are available in a wide selection of materials. [Click here](#) for material codes.

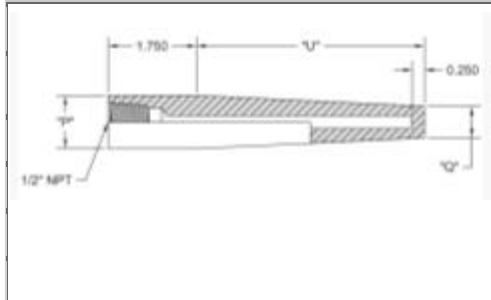
Series 1H & 2H - Limited Space

Process Thread	Q	Stem Length	Insertion Length	Ordering Code
3/4" NPT	1/2"	2 11/16"	1 5/8"	1H (Material)
1" NPT	1/2"	2 11/16"	1 5/8"	3H (Material)



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Weld-In Thermowells

	Pipe Size "P"	Bore	Actual Diameter "P"	Q	Ordering Code		"U"
					Type	Material	
	3/4" Nominal	.260	1.05	.625	1W	Select Material Code from Page 19	Specify in Inches
		.385	1.05	.765	2W		
	1" Nominal	.260	1.315	.625	3W		
		.385	1.315	.765	4W		

How to Order:

1. Determine process thread required and specify the corresponding part number listed in the "ordering code" column.
2. Replace "(Mat'l.)" with desired material code. Material codes are [here](#).