

ITS RT Process Temperature Sensors



ITS is one of the leading manufacturers of thermocouples, RTDs, PT100s and thermowells in Ireland. ITS produces a variety of temperature sensors and assemblies in both standard and custom designs, which can be found on equipment and in process applications in the chemical, petrochemical, power generation, food & beverage, dairy, plastics, heat-treating, oil & gas, pharmaceutical, aerospace, biomass, metal processing, rubber, mining, HVAC, water & wastewater, incineration, and many other industries.

- RTDs and thermocouples available to meet any process requirement
- Integrated temperature assembly with transmitters available
- Temperature range of -196 to 650 °C for RTD, -196 to 1450 °C for thermocouple
- Industry-standard sensor types, including RTD and thermocouple varieties
- Variety of enclosure and connection head options
- Calibration services available

Overview

- Fabricated Tubular Threaded Well
- Immersion depth configurable
- Various Thread sizes
- EN 10088-3 ED2014 1.4404 316L



Overview

Connections

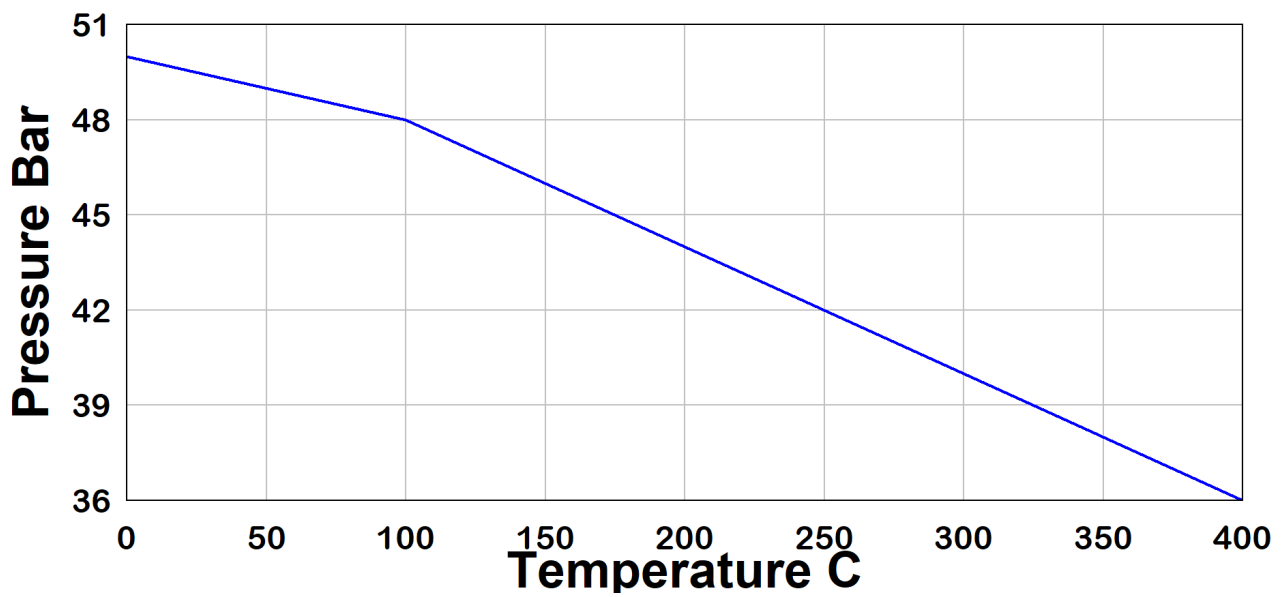
Process connection	1/2", 3/4" or 1" BSP or NPT
Lag/Standoff	configurable
Material	EN 10088-3 ED2014 1.4404 316L

Surface roughness wetted parts

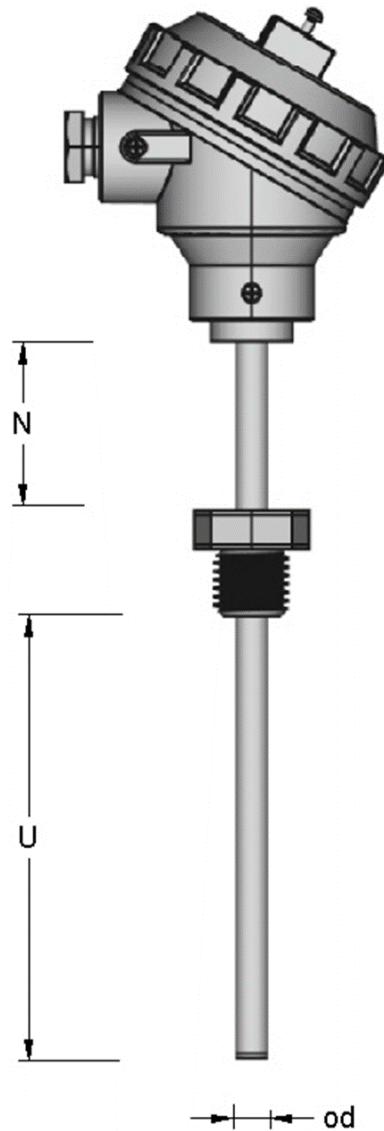
Surface roughness	Ra ≤ 0.8 µm
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Operating Conditions

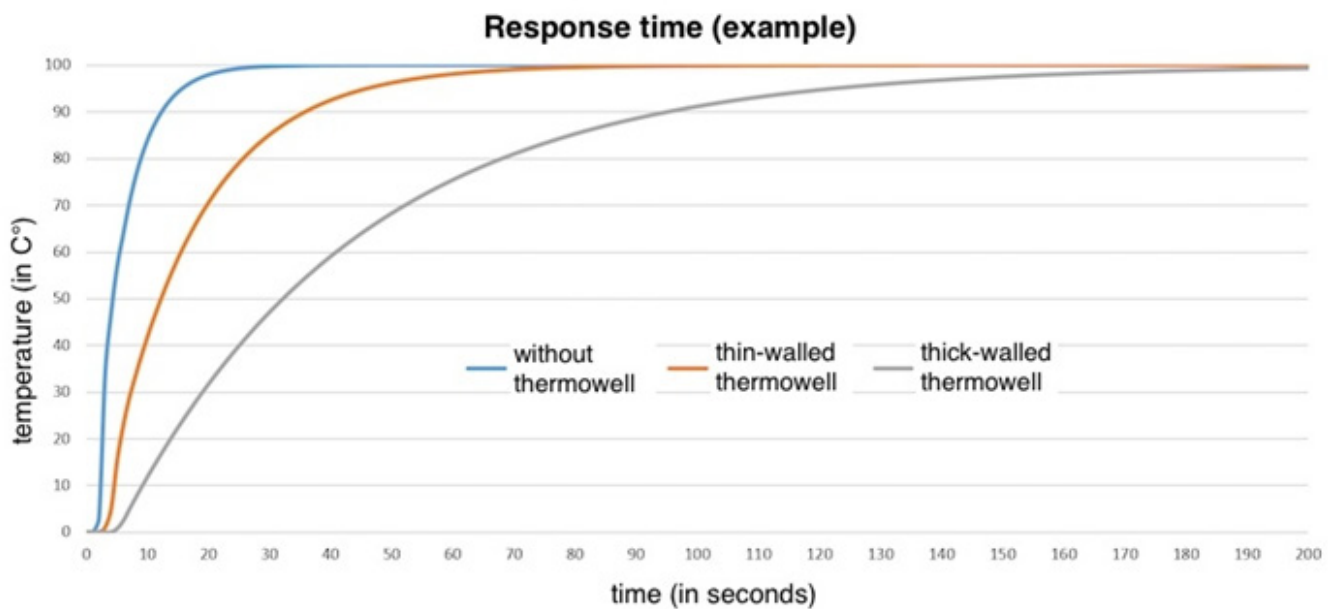
Pressure for stem length <200mm



Dimensional drawings (mm)



Response Time



Configuration & Order Information

Product	PKTHF	##	-	###	-	####	-	###	-	#	-	####	-	####
Stem Diameter														
10mm Standard or specify	10													
Insertion Length														
Length in mm	###													
Process Thread														
1/2" BSP	12B													
3/4" BSP	34B													
1" BSP	1B													
1/2" NPT	12N													
3/4" NPT	34N													
1" NPT	1N													
Lag Length														
Standard 50mm or specify	###													
Internal Diameter														
7mm or 9mm	#													
Material														
316L	316L													
Option														
3.1b Material Cert	MC													
Surface Finish Cert	RA													



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