

## THERMOWELL

**Thermo wells** are cylindrical fittings used to protect temperature sensors installed in industrial processes. A thermo well consists of a tube closed at one end and mounted in the process stream. A temperature sensor such as a **THERMOCOUPLE, RTD** or **Bimetal Thermometer** is inserted in the open end of the tube, which is usually in the open air outside the process piping or vessel and any thermal insulation.

The main advantage of the thermo well is that if the sensor fails, it can be easily replaced without draining the vessel or shutting down the process. The main drawback of a thermo well is reduced the responsiveness & accuracy of the measuring sensor.

ELTEC manufactures & offer THERMOWELL



### PRODUCT TECHNICAL SPECIFICATIONS:

Type	Threaded Thermo well Flanged Thermo well Socket Weld Thermo well <i>Built Up Design (Fabricated from Pipe)</i>
Shank Design	<i>Straight / Tapered / Stepped</i>
Sheath ID	<i>5 to 10 mm or other as per requirements</i>
Sheath OD	<i>12 mm to 35 mm or even more on request</i>
Sheath Length	<i>As per client' s requirement</i>
Sheath Material	<i>Brass / Carbon Steel / SS 304 / SS 316 / SS 310 / HRS 446 / INCONEL 600 / INCONEL 601 / Monel / Hast Alloy B / Hast Alloy C</i>
Process Connection	<i>Threaded / Flanged / Welded</i>






### ELTEC CABLES & INSTRUMENTS

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Type of Thermo Well

	Type of Thermo well	Replacement	Typical Process
	<a href="#"><u>Threaded Thermo wells</u></a>	<a href="#"><u>Infrequent</u></a>	<a href="#"><u>Smaller Pipes or Vessels, Non-corrosive Media</u></a>
	<a href="#"><u>Flanged Thermo wells</u></a>	<a href="#"><u>Frequent</u></a>	<a href="#"><u>Large Pipes, High Pressure, High Corrosion</u></a>
	<a href="#"><u>Weld-In Thermo wells</u></a>	<a href="#"><u>Rarely</u></a>	<a href="#"><u>Non-corrosive, High Temperature or High Pressure</u></a>



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