



EMPOWERING PROCESS MANAGEMENT



### 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	Replacement	Typical Process
	Threaded Thermo wells	Infrequent	Smaller Pipes or Vessels, Non-corrosive Media
	Flanged Thermo wells	Frequent	Large Pipes, High Pressure, High Corrosion
	Weld-In Thermo wells	Rarely	Non-corrosive, High Temperature or High Pressure



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