

Tube Skin Thermocouples provide an efficient means of temperature measurement on the tube surface in Oil & Gas plants as well as Heater Tubes & Boiler tube temperature in Power Plants. Heat shields maybe added which prevent addition of external / ambient temperature on the junction thereby providing a more accurate temperature measurement. Expansion loops or coils are designed to avoid the effect of tube expansion which is subject to thermal growth. Mounting clamps are welded along the pipe for additional support.

Tempsens provide custom build tube skin thermocouples as per the user requirements & drawings. Skin Thermocouple assembly consists of spring loaded thermocouple, magnesium oxide probe (MgO - 99.5% purity), Ex proof connection head, expansion loop and different type weld pad (Knife edge, Fan Type, Welded, Interchangeable & Washer) also include an optional ceramic terminal block or head mounted transmitters.



SPECIFICATIONS

Temperature Range	0°C to +1260°C (depending upon process)
Sheath Diameter	6, 8.5, 9.5, 10.5, 12.7 (other sizes on request)
Outer Sheath	Ss316, SS310, HRS446, Inconel 600 etc
Junction Style	Simplex/Duplex (Grounded/Ungrounded)