

Product Overview

Noble Metal Thermocouples are temperature sensors that utilize precious metals, such as platinum and rhodium, to achieve high accuracy and stability in temperature measurements. These thermocouples are designed for demanding applications where precision and reliability are critical, particularly in high-temperature environments.

Key Feature's

- High accuracy
- Wide temp. range up to 1600°C
- High purity alumina ceramic sheath
- High temperature resistant
- Corrosion resistant
- Good insulation resistance
- Customized design available
- 100% sensors are QC tested



Product Standard

IEC 60584-1

ANSI MC 96.1

Technical Specification

Type of Thermocouple	R	S	B
Junction	Platinum-Rhodium 13%	Platinum-Rhodium 10%	Platinum-Rhodium 30%
Temp. Range	1600°C	1600°C	1700°C
Accuracy Class	As per ref. standard		
Element configuration	Simplex, Duplex		
Protective Sheath	KER 710 <i>*Other options are also available as per requirement</i>		
IL Length (L)	As per requirement		
Sheath OD (D)	8 - 30 mm		
Holding Tube	SS310, SS304, SS316, Inc600 <i>(*others as per requirement)</i>		
Head	Aluminium Di-casted, Stainless-Steel Head IP66, Single Entry, Dual Entry		
Process Connection	Flange: as per requirement Socket: ½" BSP, ½" NPT, ¾" BSP etc. (Others as per requirement)		
Compensating Lead Wire (Optional)	Insulation: Fiber Glass, FEP, PTFE, Silicon etc Construction: Single Core, Multi Core,		
Insulation resistance	>100 MΩ at 500VDC		

** Customization is available as per requirement*

Application

- Steel Plant
- Oil and gas
- Nuclear Power Plant
- Chemical processing
- Power Plant
- Cement plant