



Thermocouples

Durable thermocouples for extreme conditions, -200°C to 1800°C, ideal for steel industries.



Product family: Temperature Sensors

Manufacturing: In-house

Engineering: Custom configurations available

Technical Specifications

Specification	Details
Calibration	IS/DIN/ANSI/JIS/BS
Type	J, K, T, E, R, S, B, N
Element	Simplex, Duplex, Triplex
Junction	Grounded, Ungrounded, Exposed Tip
Insulation	Mineral Insulated, Ceramic
Termination	Ceramic block, extension cable, omega plug & socket
Head	Weather Proof, Ex-Proof, SS
Special	Auto calve, bare element, bolt, handheld, adjustable ring, bayonet

Sheath Specifications

Sheath	Melting Point	Usable Temp.	Characteristics
SS-304	1430°C	900°C	Fair corrosion resistant
SS-316	1400°C	900°C	Good corrosion resistant to heat, acid & alkalies
SS-310	1400°C	1100°C	Good oxidation resistant & used in sulphurous atmosphere



Sheath	Melting Point	Usable Temp.	Characteristics
HRS-446	1400°C	1100°C	High resistance to oxidation & sulphur atmosphere
Inconel 600	1400°C	1100°C	Excellent oxidation & carburisation resistance
Inconel 800	1370°C	1100°C	Superior resistance to oxidation & sulphurous compounds
Ceramic 610	-	1600°C	Excellent thermal, mechanical, electrical & corrosion resistant
Ceramic 710	-	1800°C	Excellent thermal, mechanical, electrical & corrosion resistant
Heatelloy X	1300°C	1220°C	Very resistant to oxidation & sulphurous compounds
Monel	1325°C	540°C	Suited to sulphuric acid & caustic solution

Request a Quote

Share the application, operating conditions, dimensions, quantity and required configuration with TempTech.

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