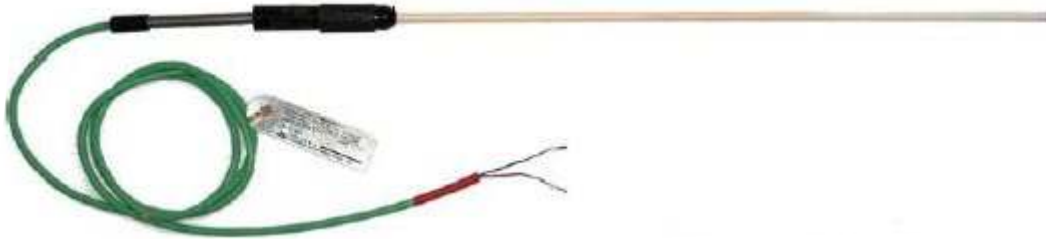


Tempsens offers special Reference thermocouples for high temperatures upto 1500°C for highly accurate temperature measurement. These Thermocouples are offered in platinum / Rhodium (type R, S or B) elements with a high purity Alumina insulations and sheath materials.

Thermocouples employing platinum in combination with platinum-rhodium alloys have been found to be the most reproducible of all the various types. They are resistant to oxidation in air and, because of their high melting points, can be used at very high temperatures. The best-known member of this group is the Type S (Pt10Rh/Pt) or Type R (Pt13Rh/Pt).

It was long considered more accurate and has probably been studied more than any other thermocouple. The performance of Type R or Type S thermocouple depends strongly on the annealing process, materials used and other construction techniques.



Technical Specifications

Make	Tempsens
No. of Element	Simplex
Temperature Range	0 to 1500 °C
Sheath Material	Alumina (99.7 % pure Al ₂ O ₃)
Sheath length	450 mm
Extension Cable	1.5 mtr. Long Teflon insulated cable with male/female miniature connector
Sheath Dia	06 mm
Handle Dimension	15 mm (OD) X 100 mm(L)
Calibration	at 5 points at Tempsens NABL Accredited Lab
Accuracy	Special Class (0.6 °C or 0.1 % of temperature whichever is greater)
Model	TTCS, TTCR
Type	S(Pt10%Rh/Pt), R(Pt13%Rh/Pt)

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