



NOBLE METAL THERMOCOUPLES (TYPE R/S/B)

INTRODUCTION :

HK 's noble metal thermocouples tolerate higher temperatures and provide greater accuracy than base metal thermocouples. The available configuration are TYPE B (Pt 30% Rh vs Pt 6% Rh) , TYPE R (Pt 13% Rh vs Pt) TYPE S (Pt 10% Rh vs Pt). We continue to meet demands of technological advances by developing thermocouples using materials with unusually high performance characteristics and superior quality. HK 's modern facilities are built to ensure that product meet compliance with today's complex regulatory requirements. These thermocouples can be ordered as bare elements, elements with insulators or as assemblies. A typical assembly includes a head, alumina insulators and a protecting tube. A variety of hardware choices are available.

THERMOCOUPLE HANDLE PROBES WITH SILICON NITRIDE BONDED SILICON CARBIDE TUBES:

≡ Straight Conventional Type design ≡



Straight Pencil Type design
With Plug



ORDERING INFORMATION :

- *Specify the temperature to be measured.
- *Specify the type of sensor required (TYPE B / TYPE R / TYPE S)
- *Specify the design of the sensor (Straight / Handle Probe type)
- *Specify OD , ID and length (Standing Length (of the holding tube)+ Insertion length) of the sensor
- *Specify the thickness of the Thermocouple Sensing element.
- *Specify the extension wire length and the insulation required on the wire of the sensor

APPLICATION :

The sensors find their major application in Semiconductor (CVD processing). Diesel, Rocket and Jet engines, glass Manufacturing, Nuclear environments, laboratory research, vacuum furnaces etc.

NOBLE METAL THERMOCOUPLE SPARES

Spare Element



99.7% Al₂O₃ Recrystallised
High Temp. Ceramic Tubes



99.7% Al₂O₃ Recrystallised
High Temp. Ceramic Insulator



High Temperature Sealing Cement



NOTE : For various Thermocouple heads designs please refer our catalog of thermocouple spares

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