



Registered
No. 325327

Thermocouple Assemblies & Accessories

'OASIS' specializes in the manufacture of Thermocouples, RTDs, Thermowells, Cables and Accessories. This catalog gives an overview of the many standard designs made by us. In addition, we have the capability to develop almost any custom design.

HEAD THERMOCOUPLES-GENERAL PURPOSE

Ceramic Insulated wire-in-bead construction with hand-filled MgO powder. Low-cost.

T.Max-600°C

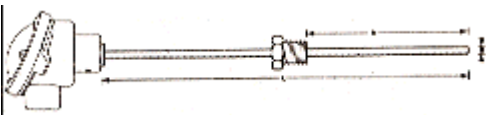
WITH FIXED STANDARD 1/2" BSP MALE FITTING BELOW HEAD



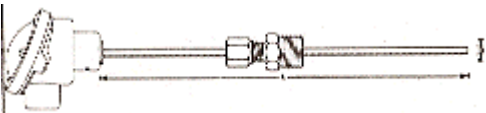
WITH FIXED MALE FITTING



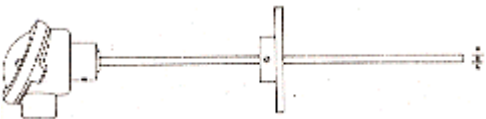
WITH FIXED MALE 1/2" BSP FITTING AWAY FROM HEAD



WITH ADJUSTABLE COMPRESSION FITTING



WITH ADJUSTABLE FLANGE



THERMOCOUPLE WITH FLAMEPROOF HEAD

For use in hazardous areas. CMRS certified flameproof head



HEAD THERMOCOUPLE FOR AIR, T. MAX-800°C

For air or gas in ducts, chambers etc. Perforated shield prevent radiation heating. Very sensitive exposed junction.



TEFLON COATED HEAD THERMOCOUPLE T.

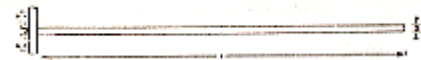
MAX-200°C

Special TEFLON coating allows use in corrosive acids and alkalis. TEFLON coating: 0.6 mm. Thick.



TERMINAL BLOCK THERMOCOUPLE T.MAX-900°C TO 1150°C

For direct immersion or mounting with a compression fitting. Available with ceramic insulation or Mineral Insulation (MI).



TRANSITION JOINT THERMOCOUPLE GENERAL PURPOSE, T.MAX-200°C TO 700°C

A low cost thermocouple for general use.



TRANSITION JOINT THERMOCOUPLE MINERAL INSULATED (MI), T.MAX-900°C TO 1150°C

A low cost thermocouple for general use.



MINERAL INSULATED (MI) THERMOCOUPLES T.MAX-900°C TO 1150°C

Mineral Insulated (MI) thermocouples offer the following advantages over Ceramic Insulated thermocouples:

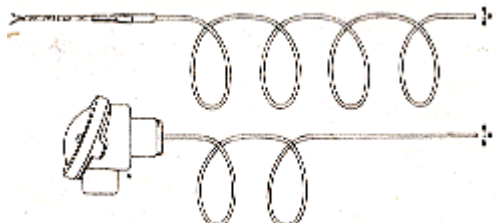
- a) Bendable, hence lengths upto 50 mtrs. Possible
- b) Vibration resistance
- c) Superior reliability
- d) Low response time
- e) Long life

Calibration :J, K & T

Sheath dia(mm): 1/1.5/3/4.5/6/8

Sheath material: SS316, Inconel 600

Single or Dual Elements are available. Most construction types shown in this catalog are possible.



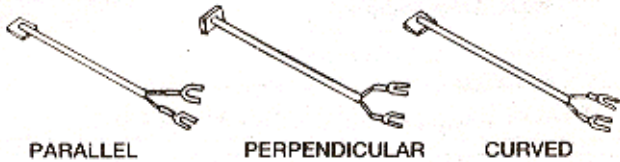
WELD PAD THERMOCOUPLES

T.MAX-900°C TO 1150°C

For permanent installation on surfaces such as pipes or tubes.

Styles available : Parallel, Perpendicular and Curved.

Standard Pad Size: 1" x 1" x 1/8"



WASHER THERMOCOUPLES, T.MAX-400°C

Easy-to-use thermocouple for surface temperature applications.

Low-cost



PLATINUM THERMOCOUPLES, T.MAX-1800°C

For high temperature applications:

Calibration : a) R, S (upto 1550 °C)

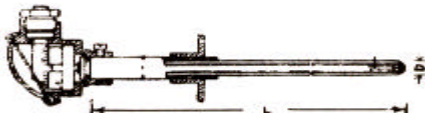
b) B (upto 1800 °C)

Wire Gauge (SWG) : a) Sillimanite (upto 1550 °C)

b) 99% Recrystallised Alumina (upto 1800 °C)

Sheath dia (mm) : a) Sillimanite : 10/12/15/20/22/24

b) 99% Recrystallised Alumina: 10/12/15/20/22/24



REFRACTORY COATED THERMOCOUPLES

T.MAX-1200°C

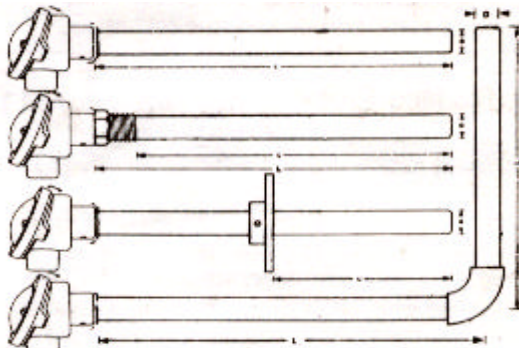
Special refractory coatings such as zirconia and alumina and metallic sheaths allow use of thermocouples in corrosive applications such as molten aluminium and salt baths.



FURNACE AND BATH THERMOCOUPLES T.MAX-1200°C

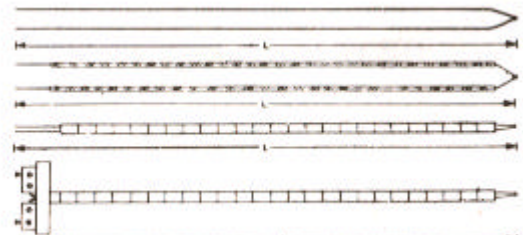
T.MAX-1200°C

Heavy Duty Ceramic Insulated thermocouples. Available in SS304, 310,446 and Inconel 600 sheaths, in straight & L shapes. Special Sheath for H.S.S. Salt bath.



REPLACEMENT THERMOCOUPLES

Bare wire thermocouples in different wire sizes. Available with/without insulation, with/without terminal block. Can be used to replace element of existing furnace and bath thermocouples.



THERMOCOUPLES FOR PLASTICS INDUSTRY

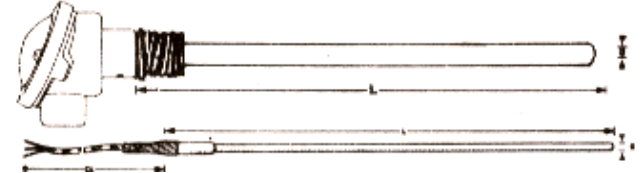
T.MAX-400°C

Fixed/adjustable immersion length Bayonet thermocouples, In-melt and Not-in-melt thermocouples for plastics extruders are available.



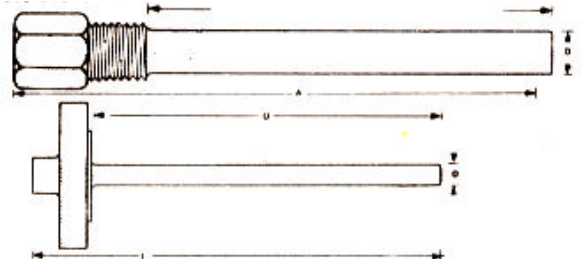
RTD SENSORS, T.MAX-650°C

A variety of Pt 100, Pt 50, Pt200 and Cu53 RTDs are available in varying constructions.



THERMOWELLS

A variety of Flanged, Threaded and Socket-weld Thermowells are available.



CABLES

Extension and Compensating Cables are available in single and multiple cores. Fibreglass, PVC, Asbestos and TEFLON insulations in different combinations are available.



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