

Measuring Junctions

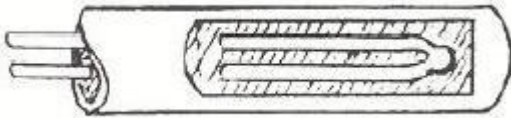
Magnesium Oxide (MgO) Thermocouples from .010 to .500 Sheath Outside Diameter



G - GROUNDED JUNCTION

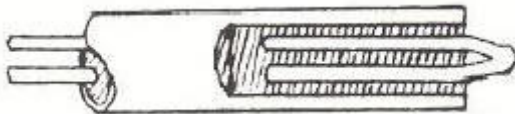
Wires welded directly to sheath material. Rapid response time.

Recommended for high pressure gases, liquids, moisture. Protects t/c wires from corrosive environment.



U - UNGROUNDED JUNCTION

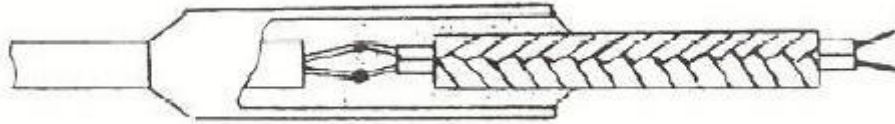
Sensing junction completely insulated from sheath material with MgO packing. Slightly slower response. Recommended where reading may be affected by electrical or magnetic field.



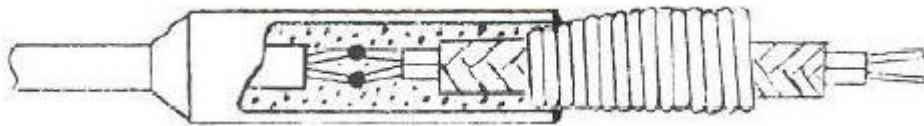
E - EXPOSED JUNCTION

Wires welded outside sheath, recommended for instantaneous response time. Thermocouple sealed with special compound against moisture. Not recommended for corrosive environment or high temperature.

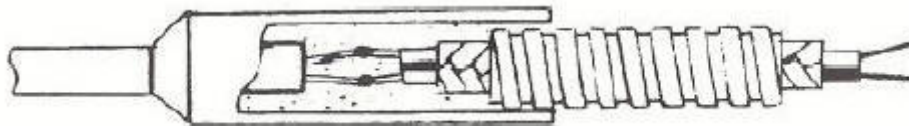
Transitions



Extension wire is joined mechanically to thermocouple.



Transition with spring relief to avoid damage of glass braid jacket, or sharp bending of extension wire.



Transition with stainless steel flex to protect lead wire against extreme heat or moving parts. Also, available with shrinkable PVC tubing over the stainless steel flex.

To Select Type of Transition

T2..... Transition housing (304 S.S.) potted to thermocouple with moisture resistant epoxy. Temperature rated to 325°F.

T3..... Transition housing silver brazed to thermocouple and potted with high temperature ceramic insulation, epoxy rated to 1,600°F.