



MEAS MICRO-THERMOCOUPLES

- Welded or soldered
- Encapsulated or bare
- Bifilar construction
- Moisture seal (encapsulated only)
- Flexible tip
- High volume, low cost
- Custom packaging

Our Micro-Thermocouples (MTC) are flexible fine gage thermocouples used whenever fast, accurate temperature measurements are required. The thermocouple consists of two dissimilar metals, joined together at one end. A small voltage is produced by the two metals, which can be measured and interpreted by a control system. The dissimilar metals are individually insulated, and an overcoat is present to maintain an intimate bifilar configuration.

Features

- Junction Types:
 - » Welded, Soldered
- Joint Encapsulation Types:
 - » Polymer Encapsulated, Bare
- Thermocouple Gauges:
 - » 44 AWG, 40 AWG, 38 AWG, 36 AWG
- Wire Insulation
 - » Polyesterimide, Polyimide

Applications

- Medical



Individual Packaging on Spools

Dimensions

Model 600 Soldered, Non-Insulated Junction



Model 601 Welded, Non-Insulated Junction



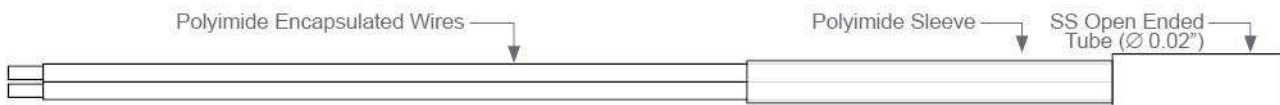
Model 605 Soldered, Insulated Junction



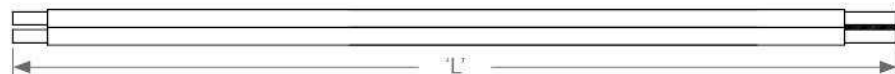
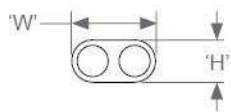
Model 606 Soldered Welded, Insulated Junction



Model 602 Welded Junction, Hypo Tube



Model 607 Soldered Junction, Polyimide Tube



Performance Specifications

Wire Strip Length (Tail): 0.50" \pm 0.25"

Solder Joint Length: 0.10" Max.

Encapsulation Length: 0.25" Max.

Encapsulation Profile:

0.010" Max. for 44 AWG

0.013" Max. for 40 AWG

0.015" Max. for 38 AWG

0.017" Max. for 36 AWG

Wire length tolerance: \pm 3.0"

Packaging: Sensors wrapped on white plastic spools

Note:

Specifications listed above are standard.

Other options are available upon request. Consult factory for details.

Commonly Stocked Wire

Type	AWG	Insulation Type	Insulation Color	Limits of Error
T	40	Polyesterimide	Green/Red	Special
T	40	Polyesterimide	Gold/Red	Special
T	44	Polyesterimide	Green/Red	Special
T	44	Polyesterimide	Black/Red	Special
T	36	Polyesterimide	Green/Red	Special
K	40	Polyimide	Amber/Black	Special