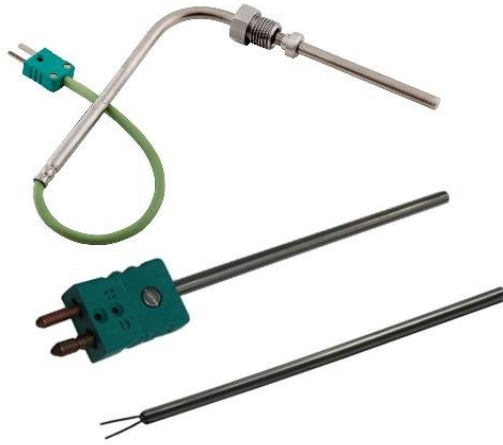


Mineral Insulated (MI) Thermocouple T01 type



- K,J,T or N type Mineral Insulated (MI) Class 1 (IEC 60584)
- Ungrounded hot junction(s)
- Different sheath materials (Stainless steel 304, 316, 321 or Inconel 600)
- Sheath OD from Ø0,35 to Ø8 mm
- Custom immersion lengths available
- Temperature range from -40 to +1000°C
- Mechanical interface (sliding compression fittings, threaded nut)
- Mini, standard or specific connector
- Cable prolongation, custom cable length
- 1 to 2 hot junctions (redundancy)

DESCRIPTION

The T01 type is a thermocouple composed of a continuous metallic sheath with two wires (thermoelectric couple) drowned in a mineral insulation. The sheath can be bent for specific applications and is resistant to high temperatures.

FEATURES

- Robust mechanical assembly
- Resistant to vibrations and high pressure
- Whole sheath is resistant to corrosion and high temperatures
- Fast response-time
- Bendable metallic sheath to fit to interface

APPLICATIONS

- Aeronautics, Space
- Automotive
- Medical equipment, Laboratory
- Hot and cold applications
- Industrial process
- Energy

Mineral Insulated (MI) Thermocouple T01 type

PERFORMANCE SPECIFICATIONS

Specification	Unit	Value
Electromotive force for K type @ +100°C (IEC 584)	μV	4096,62
Electromotive force for N type @ +100°C (IEC 584)	μV	2774
Class 1 tolerances for K and N type : From -40°C to 375°C	°C	±1.5
From +375°C to +1000°C	°C	±0.004x ltl
Electromotive force for J type @ +100°C (IEC 584)	μV	5269
Class 1 tolerances for J type: From -40°C to 375°C	°C	±1.5
From +375°C to +750°C	°C	±0.004x ltl

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