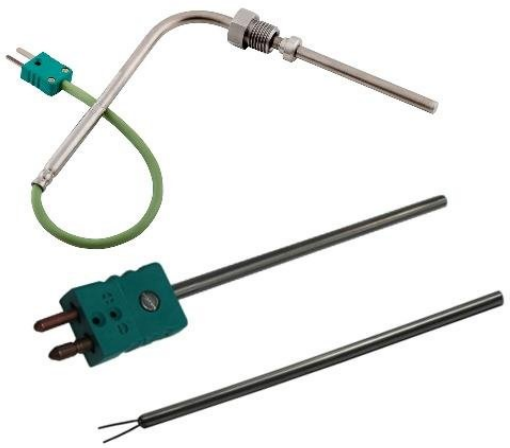
Mineral Insulated (MI) Thermocouple T01 type



- **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

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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 Itl
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 Itl