



- K Type MI Thermocouple Class 1 (IEC 584)
- Inconel 600 sheath OD Ø2.5mm
- 1 ungrounded hot junction per T/C
- Single or double harness
- Temperature range: -200°C to +1100°C
- Cable or connector ending

Custom

- Type of Thermocouple (K, J, E, N, R...)
- Sheath material
- Sheath OD (from Ø1mm to Ø8mm)
- 1 to 2 hot junctions per T/C
- Triple (or more) harness
- All Cable, connector or flange type

DESCRIPTION

Thermocouple harnesses (T4) used for exhaust gas temperature measurement on turbines (Rockets, Power Units GPU / APU). They are single or double harnesses made of mineral insulated cable, sheathed with Inconel 600. Stainless steel flanges ensure fastening on turbine. Electrical interface is ensured either by cable (with or without T/C plug) or by a integrated connector (AERO Type).

FEATURES

- Fast response time (<1s)
- High temperature resistant
- High corrosion resistant

APPLICATIONS

- Turbine exhaust gas temperature measurement
- Can be used on every high temperature applications

PERFORMANCE SPECS

Specification	Unit	Value
Electromotive force @ +100°C (IEC 584)	µV	4096,62
Class 1 tolerances : From -40°C to 375°C	°C	±1.5
From +375°C to +1000°C	°C	±0.004x t

MIL-AERO Mineral Insulated Thermocouple Harnesses

MECHANICAL DETAILS

Contact us for details.

QUALIFICATION TESTS

First military thermocouple harnesses developed have been qualified according to MIL STD 810 standard. The following military developments were qualified by similarity.

However, new products being developed are mainly for civil Aerospace, they will then be qualified according to RTCA D0 160 standard.

联系方式



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