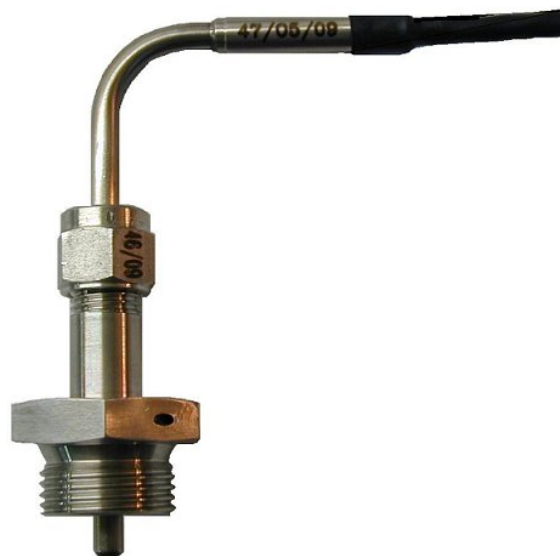


Air Temperature Probe



- Aeronautics application
- Pt 200 platinum thin fin element Cl. B (IEC 751)
Temperature coefficient = 3850 ppm/K)
- Temperature range: -45°C to +500°C
- 3 X AWG24 cable PTFE insulated, with Nickel Plated Copper shielding and PTFE external insulation
- 316L Stainless Steel housing with thread 13/16-16 UN SPL
- Laser engraving identification
- Locking thanks to a ferrule + screw assembly

DESCRIPTION

This high pressure temperature probe is composed of 2 sub-assemblies.

One tubing shaped bent sub-assembly made with 316L SS, where the Pt200 element is located, and one 316L SS threaded housing for mechanical interface.

Both are assembled thanks to a locking device composed of a ferrule mounted on the sub-assembly and a screw.

The Pt element is embedded inside the SS tubing with alumina powder. Cable junction with the Pt element is performed inside the handle, which is laser welded over the SS tubing. Then, sealing is ensured with resin and mechanical resistance guaranteed by crimping the handle over the cable.

FEATURES

- Resistant to vibration
- Fluids and contaminant resistant

APPLICATIONS

- Turbine high pressure stage air temperature measurement

PERFORMANCE SPECIFICATIONS

Specification	Unit	Value
Resistance @ 0°C	Ω	200
Tolerance	°C	±0.3+0.005 ltl
Insulation resistance	Ohms	>20MOhms under 250VDC
Dielectric	Volts	500V RMS 50Hz for 1minute

Air Temperature Probe

MECHANICAL DETAILS

Contact us for details

联系方式



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