

Mineral-Insulated RTD Temperature Probe according to EN 60 751

- For temperatures from -50°C to +260°C
- Flexible sheath cable with vibration-resistant measuring insert
- As single or double RTD temperature probe in four-wire circuit
- Quick response time
- Application-specific length

Due to their specific features, mineral-insulated RTD temperature probes are used in chemical plants, power plants, pipelines, engine building, test rigs, and any measuring locations requiring flexibility and simple replacement. Inside the flexible and thin-walled stainless steel sheath cable, the low resistance conductor copper wires are embedded in compressed, heat-resistant magnesium oxide.

The temperature sensor with 4-wire technology is connected to the conductor copper wires and installed in the stainless steel protection tube. The protection tube and sheath cable are welded one to another. The diameter is 3 mm.

The good thermal transfer between the protection tube and temperature sensor enables a short response time and excellent measuring accuracy. The vibration-resistant construction guarantees a long operating life. The flexible probe tube allows temperatures to be measured at difficult to access points.

The bending radius is 5 times the outer diameter.

On standard version, the measuring insert is fitted with a Pt100 temperature sensor according to EN 60 751, class B in 2-wire circuit.



Technical data :

Measuring range :	-50°C to +260°C (with PTFE connection cable)
Measurement accuracy :	± 0,2°C within the meteorological measuring range
Dimensions :	Ø : 3 mm ; L : 100 mm
Connections :	Cable ends stripped bare; with ferrules or connector
Connection cable :	Shielded / PTFE sheath / temperature : -50°C to +260°C
Protection sheath :	Stainless steel AISI 316 Ti, Ø 3 mm and Ø 6 mm on cable setting
Measuring element :	Pt100 sensor, EN 60 751, class B – 1/3 DIN
Response time :	t _{0,5} = 1,3 sec. / t _{0,9} = 4 sec.
Cable length :	on choice (10 m = standard length)