

Technical Information

Model TES.03.10*AUTOMOTIVE Sector***Temperature sensor for dynamometric test bench**

Description	Temperature sensor RTD "PT100" for dynamometric test bench. Sheath AISI 316 diameter 3,0 mm diameter, mineral oxide insulation with standard 3-contact male e female connector and sliding fitting compression M10x1.
Sensor Type	RTD PT100 ohm @ 0°C
Sensor Number	1
Precision	½ DIN (Class A) according to EN60751:2008 * on request other class
Working Temperature	-40 / +600 °C
Short Time Temperature	+650 °C
Sensor Sheat	Material: AISI 316 Diameter: 3,0 mm Lenght: 70 mm Internal insulation: mineral oxide * on request other lenght
Electrical Connection	Standard 3 contact male e female connector
Process Connection	Threaded fitting Thread: Male M10x1 Type: sliding Material: AISI 303 * on request other connection
Laser Marking	Thermo Engineering Logo Thermo Engineering P/N Customer P/N dd/mm/yy production * on request other marking
Tests	Visual Dimensional Room temperature insulation resistance High temperature insulation resistance Elettrical Continuity * on request other test
Room Temperature Insulation Resistance	According to IEC 1515 resistance > 1GΩ @ 25 °C; between the terminals and the sheath with a test voltage of 500 VDC.

Response Time	t ₅₀ : 4 sec t ₉₀ : 10 sec
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Certifications	Conformity Certificate
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