

Technical Information

Model TES.03.09*AUTOMOTIVE Sector***Temperature sensor for exhaust gas in
go-kart and dragster**

Description	Temperature sensor thermocouple type "K" for exhaust gas in go-kart and dragster. AISI 321 sheat diameter 3,0 mm, mineral oxide insulation, ceramic fiber conductor insulation, ceramic fiber insulation sheath and inner armor in AISI 304.
Sensor Type	Thermocouple "K" type hot joint insulated
Sensor Number	1
Precision	Class 1 (special) according to EN60584
Working Temperature	-40 / +1100 °C
Short Time Temperature	+1050 °C
Sensor Sheat	Material: AISI 321 Diameter: 3,0 mm Total lenght: 60 mm Internal insulation: mineral oxide <u>* on request other lenght</u>
Process Connection	None
Cable	Diameter: 2,9 mm Lenght: 0,270 mt <u>* on request other lenght</u> CONDUCTORS number: 2 section: 0,22 mm ² type: strand material: thermocouple "K" type insulation: ceramic fiber Insulation sheath: ceramic fiber Internal sheath: none External amor: AISI 304 COLOURING standard: ANSI conductors: red (+) ; yellow (-) sheath: yellow <u>* on request other colouring</u>
Electrical Connection	Mignon connector male 2 contacts

Laser Marking	Thermo Engineering Logo Thermo Engineering P/N Customer P/N dd/mm/yy production <u>* on request other marking</u>
Tests	Visual Dimensional Room temperature insulation resistance Elettrical Continuity <u>* on request other test</u>
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.
Respons Time	t ₅₀ : 4 sec t ₉₀ : 10 sec
Certifications	Conformity Certificate Conformity Certificate RoHS 2002/95/CE
