

Technical Information

Model TES.03.07*AUTOMOTIVE Sector***Temperature sensor for thermal mapping**

Description Temperature sensor thermocouple type "K" for thermal mapping.
AISI 321 sheat diameter 1,5 mm with copper plate 10x10 mm thickness 1 mm, mineral oxide insulation, teflon MFA conductor insulation, Teflon PFA insulation sheath.

Sensor Type Thermocouple "K" type hot joint insulated

Sensor Number 1

Precision Class 1 (special) according to EN60584

Working Temperature -40 / +750 °C

Short Time Temperature +800 °C

Sensor Sheat Material: AISI 321
Diameter: 1,5 mm
Lenght: 60 mm
Internal insulation: mineral oxide

*** on request other lenght**

Process Connection Special

Cable Diameter: 3,0 mm
Lenght: 5,00 mt

*** on request other lenght**

CONDUCTORS
number: 2
section: 0,22 mm²
type: strand
material: thermocouple "K" type
insulation: teflon PFA

Insulation sheath: teflon PFA
Internal sheath: tinned plated copper
External amor: none

COLOURING
standard: ANSI
conductors: red (+) ; yellow (-)
sheath: yellow

*** on request other colouring**

Electrical Connection Bare outlet conductors L = 50 mm

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 Electrical 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.
Response Time	t ₅₀ : 4 sec t ₉₀ : 10 sec
Certifications	Conformity Certificate Conformity Certificate RoHS 2002/95/CE
