

Technical Information

Model TES.03.08*AUTOMOTIVE Sector***Temperature sensor for tyres**

Description Temperature sensor thermocouple type "K" for tyres.
AISI 316 needle diameter 2,0 mm, mineral oxide insulation, teflon PFA conductor insulation, teflon PFA insulation sheath, complete with AISI 304 handle.

Sensor Type Thermocouple "K" type hot joint insulated

Sensor Number 1

Precision Class 1 (special) according to EN60584

Working Temperature -40 / +300 °C

Short Time Temperature +350 °C

Sensor Sheat Material: AISI 316
Diameter: 2,0 mm
Total lenght: 7 mm
Internal insulation: mineral oxide

*** on request other lenght**

Process Connection None

Cable Diameter: 3,2 mm
Lenght: 2,00 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 Mignon connector male 2 contacts

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