

## Technical Information

## Model TES.03.04

## <u>AUTOMOTIVE Sector</u> Temperature sensor for oil and water

·	Temperature sensor thermocouple "K" tyoe for oil and water. Inconel 600 sheat diameter 3,0 mm tapered to 1,6 mm, mineral oxide insulation, teflon PFA conductor insulation, teflon PFA insulation sheath and inner armor in tinned plated copper.	
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 Temperatu	re +800 °C	
Sensor Sheat	Material: AISI 321 Diameter: 3,0 mm Lenght: 60 mm Internal insulation: mineral oxide <u>* on request other lenght</u>	
Process Connection	None	
Cable	Diameter: 3,0 mm Lenght: 2500 mt	
	<u>* on request other lenght</u>	
	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	
	<u>* on request other colouring</u>	
Electrical Connection	Bare outlet conductors L = 30 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 Elettrical Continuity
	<u>* on request other test</u>
Room Temperature Insulation Resistance	According to IEC 1515 resistance > 1G $\Omega$ @ 25 °C; between the terminals and the sheath with a test voltage of 500 VDC.
Respons Time	t <sub>50</sub> : 4 sec t <sub>90</sub> : 10 sec
Certifications	Conformity Certificate Conformity Certificate RoHS 2002/95/CE