

Technical Information

Model TES.01.03FOOD Sector**Temperature sensor for bread ovens**

Description	Temperature sensor with thermocouple “K” type for bread oven. Metal sheath with 90 ° bend mineral oxide insulation, silicone rubber insulation cable, with wall passage fitting, anti-slip spring, and cable lugs.
Sensor Type	Thermocouple “K” type hot joint insulated
Sensor Number	1
Precision	Class 1 according to EN60584
Working Temperature	-40 / +350 °C
Short Time Temperature	+390 °C
Sensor Sheat	Material: AISI 321 Diameter: 3,0 mm Lenght: 100 mm Internal insulation: mineral oxide * on request other lenght
Process Connection	M10x1 male fixed threaded fitting Material: AISI 304 flange * on request other fitting
Cable	Diameter: 4,2 mm Lenght: 2,55 mt * on request other lenght CONDUCTORS number: 2 electrical section: 0,22 mm ² type: strand material: thermocouple “K” type insulation: silicon rubber Insulation sheath: silicon rubber COLOURING standard: DIN conductors: red (+) ; green (-) sheath: green * on request other colouring
Electrical Connection	PVC Insulated crimp pin terminals

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
IP Grade	IP65 according to UNI EN 60529
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
