

Technical Information

Model TES.01.01FOOD sector**Temperature probe for cooking oven**

Description	Thermocouple “K” type temperature probe for cooking oven temperature control. AISI 304 stem, diameter 4 mm, insulation teflon PFA, cable insulation sheath in teflon PFA, complete with AMP connector and ring lug for grounding.
Sensor Type	Thermocouple “K” type ungrounded hot joint
Sensors Number	1
Precision	Class 1 (special) according to EN 60584
Working Temperature	-40 / +300 °C
Short Time Temperature	+330 °C
Sensor Sheath	Material: AISI 304 Diameter: 4,0 mm Length: 70 mm Internal insulation : mineral oxide * on request customized length
Cable	Diameter: 4,0 mm Length: 1,20 mt * on request customized length CONDUCTORS number: 2 electrical section: 0,22 smm type: strand material: thermocouple “K” type insulation: teflon PFA Insulation jacket: teflon PFA Internal screen: tinned cooper External armour: none COLORATION standard: ANSI conductors: red (+) / yellow (-) jacket: yellow * on request other standard coloration
Terminazione del Cavo	Connettore AMP modu II
Laser Marking	Thermo Engineering LOGO Thermo Engineering P/N Customer P/N dd/mm/yy production * on request customized marking

Tests	Visual Dimensional Room temperature insulation Electrical continuity * on request other customized tests
IP Grade	IP65 according ot UNI EN 60529
Room Temperature Isulation	According to IEC 1515 insulation > 1GΩ @ 25 °C; between the terminals and sheath with a test voltage of 500 VDC.
Response Time	t ₅₀ : 4 sec t ₉₀ : 10 sec
Certificates	Conformity Certificate RoHS Conformity 2002/95/CE
