

Technical Information

Model TES.01.30FOOD Sector**Single point core probe for cooking ovens**

Description Single point core probe with RTD "PT1000" for temperature measurements cooking ovens. AISI 304 needle diameter 2.0 mm, teflon PFA conductor insulation, internal screen in AISI 304, Teflon PFA external insulation.

Sensor Type PT1000 OHM @ 0°C

Sensor Number 1

Precision 1 DIN (class B) accordin to EN60751:2008

Working Temperature 0 / +300 °C

Short Time Temperature +310 °C

Needle Material: AISI 304
Diameter: 4,0 mm
Lenght: 100 mm
Internal insulation: teflon PFA

*** on request other lenght**

Process Connection none

Cable Diameter: 3,6 mm
Lenght: 950 mm

*** on request other lenght**

CONDUCTORS
number: 3
electrical section: 0,22 mm²
type: strand
material: Nickel plated copper
insulation: teflon PFA

Insulation sheath: teflon PFA
Internal shield: AISI 304
External armour: None

COLOURING
standard: IEC
conductors: red; red; white
sheath: black

*** on request other colouring**

Electrical Connection Female connector NEUTRIK 4 pin – model NC4FRC

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