

## Technical Information

**Model TES.01.31***FOOD Sector***Multi-point core probe for cooking oven**

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**Description** Multi-point core probe thermocouples for cooking oven.  
AISI 304 needle diameter 3,5 mm, conductors insulation teflon PTF, Internal shield AISI 304,  
insulation sheath teflon PTF.

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**Sensor Type** Thermocouple "K" type hot joint insulated

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**Sensor Number** 6

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**Precision** Class 1 (special) according to EN60584

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**Working Temperature** 0 / +300 °C

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**Short Time Temperature** +320 °C

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**Sensor Sheat** Material: AISI 304  
Diameter: 3,5 mm  
Lenght: 120 mm  
Internal insulation: teflon PTF

**\* on request other lenght**

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**Process Connection** None

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**Cable** Diameter: 3,9 mm  
Lenght: 410+1260 mm

**\* on request other lenght**

CONDUCTORS  
number: 12  
electrical section: 0,05 mm<sup>2</sup>  
type: strand  
material: thermocouple "K" type  
insulation: teflon PTF

Insulation sheath: teflon PTF  
Internal shield: AISI 304

COLOURING  
standard: ANSI  
conductors: 2xwhite; 2xblue; 2xgreen; 2xyellow; 2xred; 2xblack  
sheath: black

**\* on request other colouring**

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**Electrical Connection** None

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<b>Laser Marking</b>	Thermo Engineering Logo Thermo Engineering P/N Customer P/N dd/mm/yy production  <b><u>* on request other marking</u></b>
<b>Tests</b>	Visual Dimensional Room temperature insulation resistance Elettrical Continuity  <b><u>* on request other test</u></b>
<b>IP Grade</b>	IP65 according to UNI EN 60529
<b>Room Temperature Insulation Resistance</b>	According to IEC 1515 resistance > 1GΩ @ 25 °C; between the terminals and the sheath with a test voltage of 500 VDC.
<b>Respons Time</b>	t <sub>50</sub> : 4 sec t <sub>90</sub> : 10 sec
<b>Certifications</b>	Conformity Certificate Conformity Certificate RoHS 2002/95/CE

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