

## Technical Information

**Model TES.01.32**FOOD Sector**Single point core probe for blast chillers**

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**Description** Single point core probe with RTD "PT1000" for temperature measurements in blast chillers. AISI 304 needle diameter 4,5 mm, teflon MFA conductor insulation, silicon rubber external insulation.

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**Sensor Type** PT1000 OHM @ 0°C

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**Sensor Number** 1

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**Precision** ½ DIN (class A) accordin to EN60751:2008

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**Working Temperature** -40 / +200 °C

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**Short Time Temperature** +210 °C

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**Needle** Material: AISI 304  
Diameter: 4,5 mm  
Lenght: 70 mm  
Internal insulation: teflon MFA  
  
**\* on request other lenght**

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**Process Connection** none

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**Cable** Diameter: 5,8 mm  
Lenght: 1,4 mt  
  
**\* on request other lenght**

CONDUCTORS  
number: 2  
electrical section: 0,38 mm<sup>2</sup>  
type: strand  
material: Silver plated copper  
insulation: teflon MFA

Insulation sheath: Silicon rubber  
Internal shield: Nnoe  
External armour: None

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

**\* on request other colouring**

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**Electrical Connection** Female connector M12 4 pin – PG7

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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 Electrical 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>Response 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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