

## Technical Information

**Model TES.01.08***FOOD Sector***Temperature sensor for blast chillers**

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**Description** Temperature sensor with RTD PT100 OHM class A for blast chillers.  
AISI 303 tube diameter 4,8 mm, conductors insulation teflon MFA, insulation sheath silicon rubber.

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**Sensor Type** RTD PT100 OHM @ 0°C

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**Sensor Number** 1

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**Precision** ½ DIN ( CLASS A ) according 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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**Sensor Sheat** Material: AISI 303  
Diameter: 4,8 mm  
Lenght: 11 mm  
Internal insulation: teflon MFA

**\* on request other lenght**

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**Process Connection** 6MA male fixed threaded fitting  
Material: AISI 304

**\* on request other fitting**

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**Cable** Diameter: 3,6 mm  
Lenght: 3,3 mt

**\* on request other lenght**

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

Insulation sheath: silicon rubber

COLOURING  
conductors: white ; white  
sheath: white

**\* on request other colouring**

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**Electrical Connection** PVC Insulated crimp pin terminals CBPKE 508

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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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