

## Technical Information

**Model TES.01.35***FOOD Sector***Miniaturized single point core probe for vacuum cooking ovens**

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<b>Description</b>	Miniaturized single point core probe with RTD "PT1000" for temperature measurements in vacuum cooking ovens. AISI 304 needle diameter 1,2 mm, teflon MFA conductor insulation, silicon rubber external insulation.
<b>Sensor Type</b>	PT1000 OHM @ 0°C
<b>Sensor Number</b>	1
<b>Precision</b>	1 DIN (class B) accordin to EN60751:2008
<b>Working Temperature</b>	-40 / +200 °C
<b>Short Time Temperature</b>	+210 °C
<b>Needle</b>	Material: AISI 304 Diameter: 1,2 mm Lenght: 80 mm Internal insulation: teflon MFA  <b><u>* on request other lenght</u></b>
<b>Process Connection</b>	none
<b>Cable</b>	Diameter: 3,6 mm Lenght: 1,25 mt  <b><u>* on request other lenght</u></b>  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: None External armour: None  COLOURING conductors: white; white sheath: white  <b><u>* on request other colouring</u></b>
<b>Electrical Connection</b>	Female connector LEMO model FFA.1S.306.CLAC42

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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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