

Technical Information

Model TES.01.34*FOOD Sector***Single point core probe with heater for
blast chillers**

Description	Single point core probe with RTD "PT1000" with heater for temperature measurements in blast chillers. AISI 304 needle diameter 5,0 mm, teflon MFA conductor insulation, silicon rubber external insulation.
Sensor Type	PT1000 OHM @ 0°C
Sensor Number	1
Precision	1 DIN (class B) according to EN60751:2008
Working Temperature	-40 / +200 °C
Short Time Temperature	+210 °C
Needle	Material: AISI 304 Diameter: 4,0 mm Length: 100 mm Internal insulation: teflon MFA <u>* on request other lenght</u>
Process Connection	none
Cable	Diameter: 5,8 mm Length: 1,4 mt <u>* on request other lenght</u> CONDUCTORS number: 2 electrical section: 0,38 mm ² type: strand material: Nickel plated copper insulation: teflon MFA Insulation sheath: silicon rubber Internal shield: None External armour: None COLOURING standard: IEC conductors: white; white sheath: blue <u>* on request other colouring</u>
Electrical Connection	Female connector M12 4 pin

Laser Marking

Thermo Engineering Logo
Thermo Engineering P/N
Customer P/N
dd/mm/yy production

*** on request other marking**

Tests

Visual
Dimensional
Room Temperature Insulation Resistance
Electrical Continuity

*** on request other test**

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

t₅₀: 4 sec
t₉₀: 10 sec

Certifications

Conformity Certificate
Conformity Certificate RoHS 2002/95/CE
