

## Technical Information

**Model TES.05.01***POWER & ENERGY Sector***Temperature sensor for stator caves**

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<b>Description</b>	Temperature sensor with rtd "PT100" type for statoric quarries. Fiberglass sheath, 2 mm thick, and teflon MFA insulation extension conductors.
<b>Sensor Type</b>	PT100 OHM
<b>Sensor Number</b>	1
<b>Precision</b>	Class 1 DIN according to EN60751
<b>Working Temperature</b>	-40 / +155 °C
<b>Short Time Temperature</b>	+180 °C
<b>Sensor Sheat</b>	Material: Laminated fiberglass Width: 7.5 mm Length: 200 mm Thickness: 2.0 mm Internal insulation: Teflon MFA  <b><u>* on request other lenght</u></b>
<b>Process Connection</b>	NA
<b>Cable</b>	Diameter: 3,0 mm Lenght: 2,00 mt  <b><u>* on request other lenght</u></b>  CONDUCTORS number: 3 electrical section: 0,35 mm <sup>2</sup> type: strand material: nickel plated copper insulation: MFA teflon  COLOURING standard: DIN conductors: red / red / white  <b><u>* on request other colouring</u></b>
<b>Electrical Connection</b>	NA
<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>

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**Tests**

Visual  
Dimensional  
Room temperature insulation resistance  
Electrical Continuity

**\* on request other test**

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**IP Grade****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.

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**Response Time**

t<sub>50</sub>: 4 sec  
t<sub>90</sub>: 10 sec

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**Certifications**

Conformity Certificate  
Conformity Certificate RoHS 2002/95/CE

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