

## Technical Information

**Model TES.03.02***AUTOMOTIVE Sector***Temperature sensor for disk brakes**

---

<b>Description</b>	Temperature sensor thermocouple type "K" for disk brakes. Inconel 600 sheat diameter 1 mm tapered to 3,17 mm, mineral oxide insulation, teflon MFA conductor insulation, teflon MFA insulation sheath and outer armor in AISI 304, complete with two contact mignon connector.
<b>Sensor Type</b>	Thermocouple "K" type hot joint insulated
<b>Sensor Number</b>	1
<b>Precision</b>	Class 1 (special) according to EN60584
<b>Working Temperature</b>	-40 / +990 °C
<b>Short Time Temperature</b>	+1010 °C
<b>Sensor Sheat</b>	Material: INCONEL 600 Diameter: 1,0 mm Total lenght: 195 mm Internal insulation: mineral oxide  <b>* on request other lenght</b>
<b>Process Connection</b>	Special
<b>Cable</b>	Diameter: 3,2 mm Lenght: 0,30 mt  <b>* on request other lenght</b>  CONDUCTORS number: 2 section: 0,22 mm <sup>2</sup> type: strand material: thermocouple "K" type insulation: teflon MFA  Insulation sheath: teflon MFA Internal sheath: none External amor: AISI 304  COLOURING standard: ANSI conductors: red (+) ; yellow (-) sheath: yellow  <b>* on request other colouring</b>
<b>Electrical Connection</b>	Mignon connector 2 contacts

---

---

<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 Elettrical Continuity  <b><u>* on request other test</u></b>
<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>Respons 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

---