



# ISOHEAT®



## High Tech Engineering

### Temperatur sensors

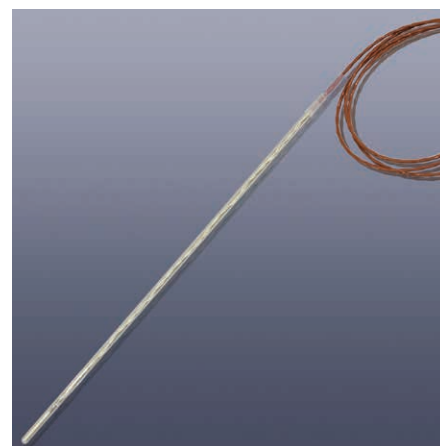
with or without 5-pin diode plug

\* other dimensions or other design - on request

| MIL-TC-PT                                                      | Technical specifications                                                                                                                                   |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PT 100 2-wire<br>sheathed element sensor                       | sheath length: 40 mm<br>sheath diameter: Ø 4,0 mm<br>sheath material: V2A<br>connecting line: 2,0 m<br>line material: PTFE<br>temperature range: 0 - 250°C |
| part.-no. 62000100<br>part.-no. 62002100<br>part.-no. 62000105 | without plug<br>with 5-pin diode plug, 180°<br>without plug, but with 8,0 m line                                                                           |



| MIL-TPG                                                                           | Technical specifications                                                                                                                 |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| PT 100<br>in glass tube                                                           | glass tube length: 400 mm<br>glass tube diameter: Ø 6 mm<br>connecting line: 1,5 m<br>line material: PFA<br>temperature range: 0 - 250°C |
| *suitable to control the<br>temperature in the medium<br>of glass flasks directly |                                                                                                                                          |
| part.-no. 62000150<br>part.-no. 62002150                                          | without plug<br>with 5-pin diode plug, 180°                                                                                              |



| MIL-TP2                                  | Technical specification                                                                                                                                                          |
|------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PT 100 2-wire<br>sheathed element sensor | sheath length: 50 mm<br>sheath diameter: Ø 4 mm<br>sheath material: V2A<br>connecting line: 2,0 m<br>line material: glass silk with overbraiding<br>temperature range: 0 - 400°C |
| part.-no. 62000120<br>part.-no. 62002120 | without plug<br>with 5-pin diode plug, 180°                                                                                                                                      |



| <b>MIL-TNS</b>                                   | <u>Technical specification</u>                                                                                                                                                                            |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NiCr-Ni<br>thermocouple<br>rod sensor (flexible) | temperature pickup: sensor tip<br>rod length: 300 mm<br>sensor diameter: Ø 1,5 mm<br>material: 2.4816 (Inconel-600)<br>connecting line: 2,0 m<br>line material: silicone<br>temperature range: 0 - 1200°C |
| part.-no. 62000200<br>part.-no. 62002200         | without plug<br>with 5-pin diode plug, 180°                                                                                                                                                               |



| <b>MIL-TNF</b>                                                                     | <u>Technical specification</u>                                                                                                                                                              |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NiCr-Ni<br>thermocouple<br>flat sensor                                             | temperature pickup: 15 mm<br>sensor length: 400 mm<br>sensor thickness: 0,4 mm<br>material: glass silk<br>connecting line: 1,5 m<br>line material: silicone<br>temperature range: 0 - 400°C |
| *suitable to control the<br>temperature between glass<br>flask and heating element |                                                                                                                                                                                             |
| part.-no. 62000250<br>part.-no. 62002250                                           | without plug<br>with 5-pin diode plug, 180°                                                                                                                                                 |



**ISOHEAT GmbH**  
Großer Sand 4  
D-76698 Ulmstadt-Weiher

Tel.: +49 (0) 72 51 - 93247-0  
Fax +49 (0) 72 51 - 93247-29

E-Mail: [info@isoheat.de](mailto:info@isoheat.de)  
Internet: [www.isoheat.de](http://www.isoheat.de)