



## Compact model with analog output

Analog output

Up to 400 °C

Temperature range  
according to customer  
specification

As well available with  
resistance output



| Design                        | G1/2                                                                                     |                                                                                |
|-------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Dimensions                    |                                                                                          |                                                                                |
| Supply voltage [V]            | 12...30 DC                                                                               |                                                                                |
| ID-No.                        | P.....                                                                                   | Sensor length                                                                  |
| Type-sensor length L [mm]     | TGBA 050 GI-Lxxx                                                                         | The total length L of the sensor is specified by appending "Lxxx" to the type. |
| Temperature range medium [°C] | min. -50...+375<br>max. -25...+400<br>△ between min. and max.<br>has to be minimum 25 °C | xxx: Length in mm                                                              |
| Ambient temperature [°C]      | -25...+70                                                                                | Preferred lengths                                                              |
| Output [mA]                   | 4...20                                                                                   | 100 mm: L100                                                                   |
| Turn on delay [s]             | approx. 4 (output < 4 mA)                                                                | 200 mm: L200                                                                   |
| Protection [EN 60529]         | housing: IP 67 / sensor tip: IP 68 / IP 69K                                              | 400 mm: L400                                                                   |
| Housing material              | Aluminium, form B terminal head                                                          | ID-No.                                                                         |
| Material sensor probe         | AISI 316 Ti                                                                              | 100 mm: P71029                                                                 |
| Sealing material              | NBR, AFM 34, different material on request                                               | 200 mm: P71030                                                                 |
| Compressive strength [bar]    | 40 (25 °C)                                                                               | 400 mm: P71031                                                                 |
| Diameter connecting cable     | Ø 7 mm up to Ø 12 mm                                                                     |                                                                                |
| Connection                    | terminal screws, max. 1 mm <sup>2</sup>                                                  |                                                                                |
|                               |                                                                                          |                                                                                |