

# TEMPERATURE PROBE

## FUNCTIONS

### PT100



- Immunity to atmospheric factors and aggressive environments
- Small dimensions
- Electronic components with high stability
- Oxygen compatibility

#### Temperature probe PT100 for measurements in gas line

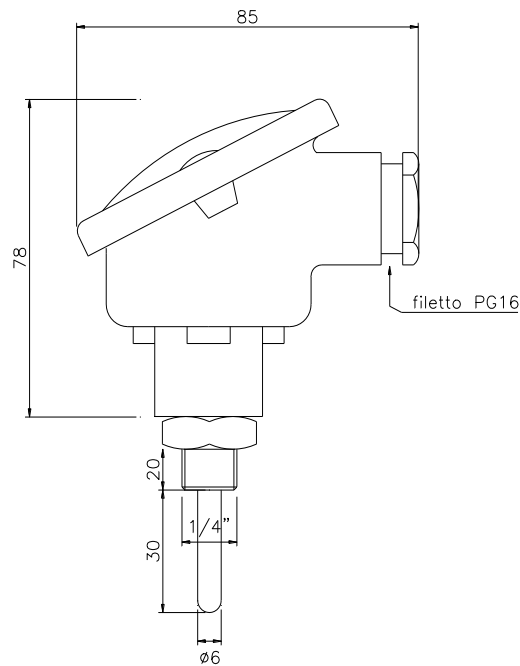
Typical application:

- Temperature measurement system in line for hospital and industry applications
- Temperature measurement system in process applications

## TECHNICAL SPECIFICATION

<b>Power supply</b>	12...32 Vdc
<b>Output signal</b>	Type: 4...20 mA on two wires    Sensor: PT100 (IEC 751) Current limit: 25 mA max Reverse polarity: Protection until 60V max Warm-up: 3 minutes    Sensor tolerance: Class B
<b>Measuring range (relative pressure)</b>	-40°C...+50°C
<b>Accuracy</b>	Linearity: $\pm 0,1\%$ F.S. Calibration error: $\pm 0,1\%$ F.S. / $\pm 0,2^\circ\text{C}$ max. Termo drift: $\pm 0,02\%$ F.S./ $^\circ\text{C}$
<b>Pneumatic connection</b>	G 1/4" DIN 3852
<b>Electrical connection</b>	Pipe thread PG16
<b>Housing</b>	IP65 Process connection: AISI316
<b>Weight</b>	30 g.
<b>Operating temperature</b>	-40...70°C
<b>Reference standard and directives</b>	EN 50081-2 ed EN 500822-2 <span style="float: right;">CE</span>

# OUTLINE



# ORDERING INFORMATION

Code	Description
0007-04-001	TEMPERATURE PROBE PT100: AMBRA/0011 -40...+50 °C
0007-04-002	TEMPERATURE PROBE PT100: AMBRA/0011 -40...+50 °C in ATEX EExd IIC housing
0007-04-004	TEMPERATURE PROBE PT100: AMBRA/0011 -40...+50 °C for tube connection
0007-04-0--	TEMPERATURE PROBE PT100: AMBRA/0011 -40...+50 °C with range on request