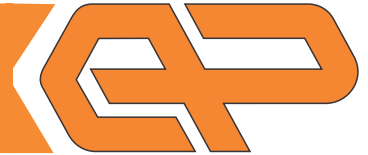


TEMPERATURE RESISTANCE PROBE FOR EXTERNAL TEMPERATURE MEASUREMENT TYPE:

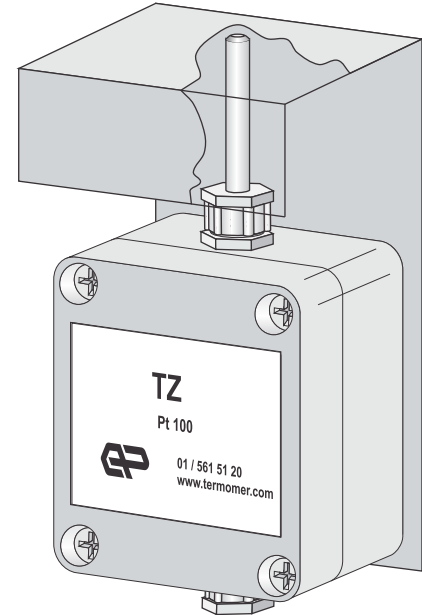
TZ



Description of the probe:

Temperature resistance probe type TZ is suitable for measurement of external temperature. It is, if possible, attached to the external (shady) northern building wall. Stainless steel protection offers shade to the probe and protects it from potential mechanical damage.

Image of the probe:



Sensor features:

Sensors, which can be implemented into the measuring insert of the probe:

- **Pt 100**
 - tolerance class A*
 - tolerance class B*
 - two-wire implementation
 - three-wire implementation
 - four-wire implementation
- **Pt1000**
 - tolerance class A*
 - tolerance class B*
 - two-wire implementation
- **Ni1000/5**
- **Ni1000/6**
- **NTC 10K**
- **KTY 81**

(look at the ordering table)

* according to DIN EN 60751

Operating conditions:

Temperature

Temperature interval for the TZ is -40/80°C.

Reaction time

$T_{0.5} < 50s.$

Maintenance

The probe does not need any maintenance.

External features of the probe:

Protection tube

Protection tube is made out of AISI 403 steel
It's dimensions are $\varnothing 6 \times 40mm$.

Housing

ABS plastic housing 58 x 64 x 40 mm.

Cable gland

Cable gland PG7.

Protection

Stainless steel external protection 70 x 110 x 40 mm.

Level of protection

IP65.

Option - measuring transducer PDR:

Measuring transducer PDR is programmable. Factory default measuring range can be set to customer's specifications. Customer can later change the measuring range with the use of free EPKON application and communication interface KOV 1.

Types of PDR transducers, which can be implemented in the TZ probe:

- **Voltage 0 - 10V** (code: TZ DU)
- **Current 4 ... 20 mA** (code: TZ DI)
- **Digital RS - 485 modbus** (code: TZ RS)

Datasheets for measuring transducer PDR are available on our web page: www.termomer.com.



www.termomer.com

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