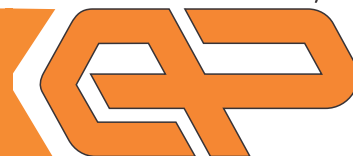


TEMPERATURE RESISTANCE PROBE TYPE:

CB



Description of the probe:

Resistance temperature probe type CB is used for measuring temperature of liquids where there are protection tubes already inserted. If the probe is installed without the protection tube we have to drain the medium out of the system before changing the probe. The advantages of CB probe are fast response to temperature changes of the medium and short mounting length.

Sensor features:

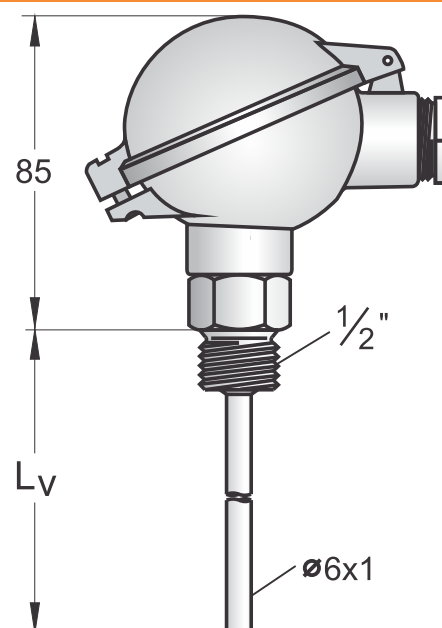
Sensors, which can be implemented into the measuring insert of the probe:

- **Pt 100**
 - tolerance class A*
 - tolerance class B*
 - two-wire implementation
 - three-wire implementation
 - four-wire implementation
- **Pt1000**
 - tolerance class B*
 - two-wire implementation
- **NTC 10K**
- **KTY 81**
- **Ni1000, 5000 ppm/K**
- **Ni1000, 6178 ppm/K**

(refer to the ordering table)

* according to DIN EN 60751

Skica in dimenzije tipala:



Operating conditions and maintenance:

Temperature

Temperature interval for CB is 0/100°C.

Reaction time

$T_{0.5} < 20s$.

Pressure

Maximum pressure of the medium is 10 bar.

Maintenance

The probe does not need any maintenance.

Zunanje lastnosti tipala:

Measuring insert tube is made out of ANSI 403 (DIN 1.4024) steel. Process connector measures 1/2".

Mounting length of the probe (Lv) can be:

- 50 mm
- 100 mm
- 160 mm
- 200 mm
- 250 mm
- 300 mm
- 400 mm

(refer to the ordering table)

Option - measuring transducer:

Measuring range is set to customer's specifications. Transducer has 4...0mA current output and two-wire power supply from the measuring loop. Power supply voltage is 24..36 Vdc.

Two types of transducers, which can be implemented in the probe's head:

- **MO4201** (CB AI)
- **RS485** (CB RS)

Plug-in head:

Probe has plug-in head type BS (IP65), which is made out of aluminum alloy and cable gland M20.



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