

**TEMPERATURE  
RESISTANCE  
PROBE TYPE:**

# CH


**Description of the probe:**

Resistance temperature probe type CH 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 CH 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 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

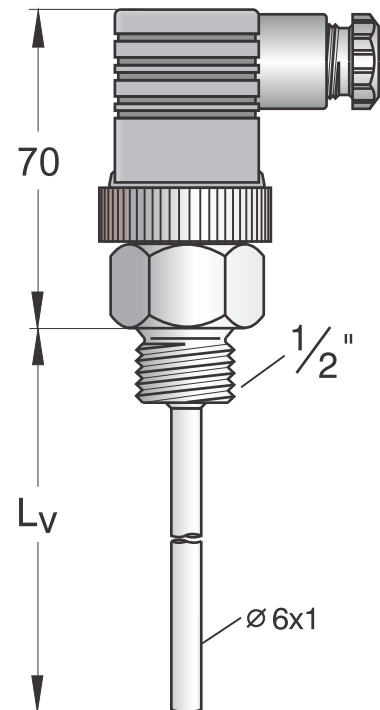
**External features of the probe:**

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)*

**Image and dimensions of the probe:**

**Operating conditions and maintenance:**
**Temperature**

Temperature interval for CH 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.

**Plug-in connector:**

Plastic plug-in connector with terminals according to standard DIN EN 175 301-803-A and cable gland PG9.

Protection level IP65.

