

Combined thermometer/pressure gauge THMK With capillary tube



Benefits

- Ideal for boilers and hot water storage tanks
- Corrosion-resistant, highly impact-resistant plastic housing
- Many customised versions available

Application

Heating, cooling and plumbing, e.g. boilers, hot water storage tanks.

Technical specifications

Nominal size
52

Range

Pressure: 0/6 bar 0/4 bar
Temperature: 0/120 °C

Accuracy/test point

Pressure: 4,0
Temperature: 50 °C = ± 3 °C

Measuring principle

Pressure: Bourdon tube, Copper alloy
Temperature: Liquid filling

Application area

Pressure
Static load: $\frac{1}{4}$ x full scale value
Dynamic load: $\frac{1}{2}$ x full scale value
Short-term: Full scale value
Temperature: Full scale value

Operating temperature range

Medium: Full scale value
Ambient: Max. 70 °C

Operating pressure

Without pressure

Degree of protection

IP 32 (EN 60529)

Technical drawing of a capillary probe assembly. The main view shows a side profile of the probe with dimensions: Ø57.5 for the main body diameter, 8 for the body length, 26.5 for the distance to the first bend, 19 for the distance to the second bend, M6 for the thread, Ø52 for the bend diameter, 12 for the bend radius, Ø3 for the capillary diameter, 11.5 for the capillary length, 1 for the capillary tip diameter, 5 for the capillary tip length, Ø4 for the capillary tip diameter, G1/4B for the connection, 22 for the capillary tip length, and Ø6 for the capillary tip diameter. A circular cross-section view shows a diameter of Ø52.5±0.2 and a length of 53.5±0.2. A side view shows a length of 0.8-1.5. A dimension line labeled '1' indicates the capillary length.

