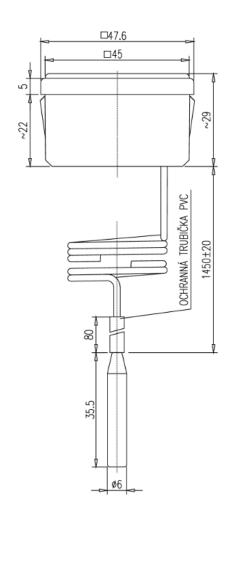
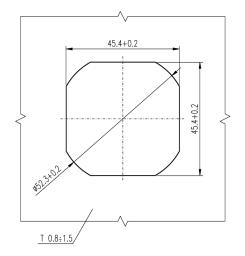


Capillary thermometer TCS 48

TCS 48		
	TCS 48 is pressure thermometer temperature measurement in app measuring place is different from Thermometer consists of a capillary The thermometer head is constituted scale and elastic measuring component	plications where place of reading. system and head. of casing and plastic window that protect marker, dial with
Description	Thermometer consists of tube in shape of Archimedes' spiral. The inner pressure, that is induced by dilation of the liquid held in the sensor, causes the spiral to uncoil. This rotation movement, that is proportional to the pressure, is transferred to the pointer indicating a measured value at the scale. The sensor and the spiral are connected with a capillary.	
Use	Capillary thermometers can be universally used for temperature measurement in their measuring range (20-100 °C). Measured temperature must not exceed the upper limit of measuring range. Thermometers can be used in any position. Thermometer head can be installed in environment with maximal temperature 40 °C. Temperature sensor must be placed in liquid or gaseous medium that does not damage copper and its alloys. In other cases, the sensor must be placed in thermometer well.	
Installation and maintenance	Thermometer installation is done by inserting the thermometer head into the hole with dimensions as mentioned in drawing and by inserting the temperature sensor in a thermometer well. The thermometer head can be placed in any position. To prevent capillary vibration it is necessary to fix it at two or more points approximately equally spaced along the capillary. Bending radius of capillary must be 5 mm or bigger. The thermometer does not require any maintenance.	
Technical data	Scale range	0 to 120 °C
	Measuring range	20 to 100 °C
	Scale division	2 К
	Accuracy	±4 % from scale range
	Sensor dimensions	Ø 6 x 35,5 mm
	Time constant	15 s
	Capillary length	1 450 mm
	Minimal bending radius of capillary	R _{min} = 5 mm

Technical drawings





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The manufacturer reserves the right to change design, technical specifications and accesories without prior notice.