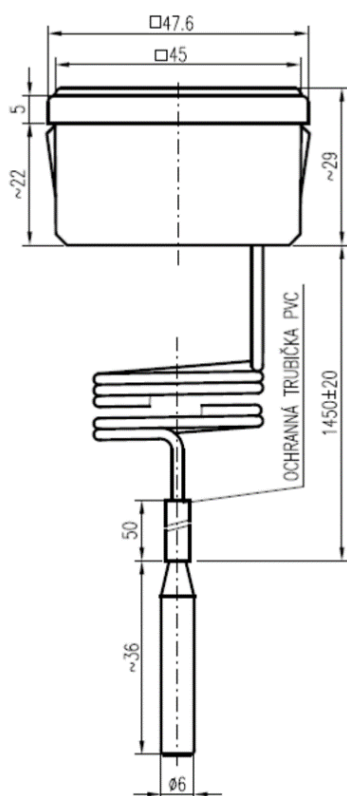


CAPILLARY THERMOMETER TCS 48

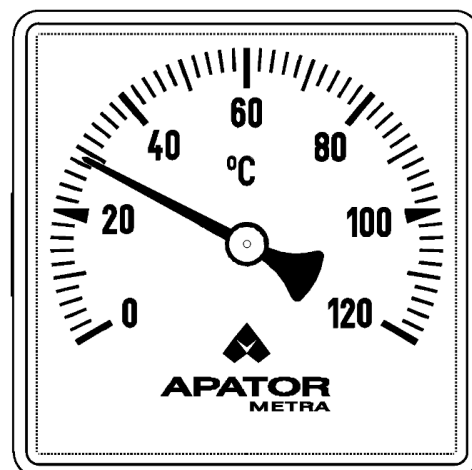
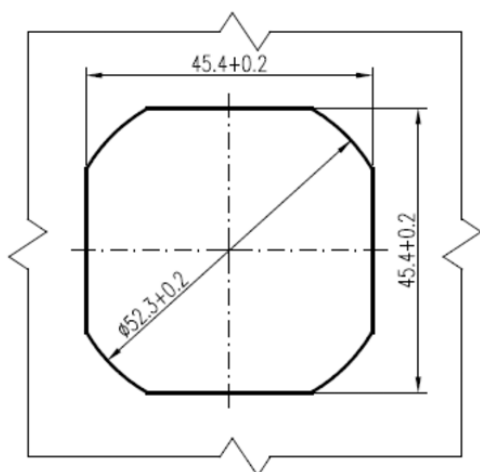
Description

The capillary thermometer consists of a capillary system and the head. The head of the capillary thermometer consists of a housing and a plastic front cover protecting the pointer, dial with a scale and a flexible measuring element. The thermometer system is closed on the head by a flexible measuring element with a hub which transmit the deflection of the flexible measuring element to a pointer indicating the value of the temperature measured on a scale marked on the dial.

Dimensional drawings



Mounting hole



Intended usage

Capillary thermometers are universally applicable instruments for measuring temperatures within a given measuring range. The thermometers can be used to measure temperatures in the measuring range of 20-100°C. The measured temperature value mustn't exceed the maximum value of the measuring range. The thermometers can be used to measure temperatures in any position. The thermometer head can be placed in a single active hot environment with a maximum temperature of 40°C. the thermometer sensor must be placed in a liquid or gaseous environment that does not interfere with copper and its alloys. Otherwise, the sensor shall be placed in a well.

Technical parameters

Climatic influences during operation	Design group B2 parameters +5°C to +40°C
Mechanical influences during operation	Design group NX Vibration parameters - frequency 10-50 Hz Amplitude max. 0,15 mm
Scale range	0 to 120°C
Scale division	2°C
Measuring scale	20 to 100°C
Accuracy	±4% from measuring range
Min. radius of capillary bend	$R_{min}=5mm$
Head ambient temperature	+5°C to +40°C
Scale print color	black

Storage conditions

The instruments can be stored at temperatures of -5 to +50°C and a relative humidity of max. 70%. The storage area must be free from chemical or other agents that could affect the stored products.

Installation

- Installation of the thermometer is done by sliding the head into the hole according to the dimensional sketch and placing the thermometer sensor into the measured environment or well
- The thermometer body can be placed in any position
- To prevent the capillary from oscillation during operation, fixing is required at a minimum of two additional points evenly spaced along the length of the capillary
- The smallest permissible bending radius of the connecting capillary is 5 mm
- Require no maintenance in operation

Disposal



The device is subject to a special waste management regime under the Waste Act as amended.

Permissible minor faults and their removal

TCS 48 capillary thermometer defects are repaired exclusively by the manufacturer.

Warranty

Provided that the TCS 48 is installed, wired and used in accordance with the instructions in the Installation and operating instruction manual, the manufacturer warrants the TCS 48 in accordance with to the current law, unless otherwise agreed.

The manufacturer will refuse warranty repair of the device has been damaged:

- During transport and storage by the customer or his customers
- During assembly or dismantling into the customer's equipment, or his customers
- In case of mechanical or other damage

Warranty and post-warranty repairs

Warranty and post-warranty repairs are done exclusively by the manufacturer. Pack the product and send it to address:

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