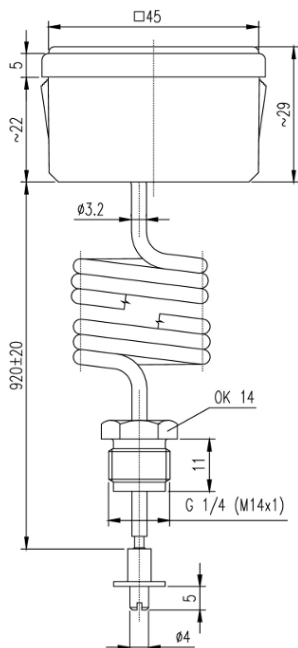


MANOMETER MCS 48

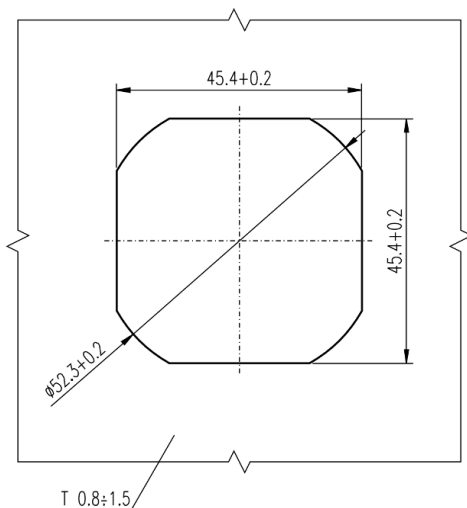
Description

The manometer consists of a pressure measuring system and a head. The manometer head consists of a plastic housing and window protecting the pointer, a dial with scale and a flexible measuring element. The pressure measuring system is terminated in the head by a flexible measuring element which transmits the deflection of the flexible measuring element to a pointer indicating the value of the measured pressure on the dial scale. The deflection of the flexible measuring element of the pressure measuring system is derived from the change in pressure of the pressure-carrying medium.

Dimensional drawings



Mounting hole



Intended usage

The manometer is universally applicable instrument for measuring the pressure of substances within a given measuring range that do not crystallize and do not cause corrosion of copper alloys. Manometers can be used to measure pressure in the measuring range 0-3 bar at constant pressure 0-2,6 bar at variable pressure. The measured pressure value mustn't exceed the maximum value of the measuring range. The manometer can be used to measure pressure in any position. The manometer head can be placed in simple active hot environment with a maximum temperature of 40°C. The manometer isn't designed for measuring oxygen pressure. It mustn't be used as safety equipment.

Technical parameters

Climate influences during operation	Design group B2 parameters +5 to +40°C
Mechanical influences during operation	Design group NX Vibration parameters – frequency 5-55 Hz Amplitude max. 0,15 mm
Capillary length	920 mm
Scale range	0-4 bar
Scale division	0,1 bar
Measuring range	Constant pressure 0-3 bar Variable pressure 0-2,6 bar
Accuracy class	2,5% at ambient air temperature 23°C ± 5°C
Connection	Connecting pin with G ¼ or M14x1 bolt
Design	Ordinary according to ČSN 257201

Startup

Fix the manometer head by sliding it into the transport hole. Once the pressure measuring system is connected to the pressure source, the manometer is ready for operation

Storage conditions

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

Installation

- Installation of the manometer is done by sliding the head into the hole according to the dimensional sketch
- The pressure system is connected to the pressure source by inserting the connection pin into the seat of the connection fitting or non-return valve and securing the pin with a threaded bolt
- Minimum permissible bending radius of the connecting capillary 5 mm
- After installation, the manometer requires no further maintenance

Disposal

Dispose of the MCS as follow: Take the MCS to a scrap yard.

Permissible minor faults and their removing

Any defects in the MCS 48 manometer are exclusively repaired by the manufacturer.

Warranty

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

The manufacturer will refuse warranty repair if 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 customer
- 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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