

Bimetal thermometer

Chemical version With or without damping

Nominal size 3", 5"

Accuracy class 1



Description

The measuring element of the bimetal thermometer is a quick reacting bimetal coil. It is manufactured from two cold-welded metal strips with different thermal expansion coefficients and rotates in proportion to temperature. The rotary movement is conveyed to the pointer with low friction.

A version with liquid damping is available as an option for service at measuring points subject to strong vibration. The filling damps the measuring system when mechanical vibrations occur, thus producing a steady indication. At the same time, good lubrication of the moving parts is achieved.

A version with rotateable (360°) and turnable case (90°) allow the thermometer to be aligned as desired under all installation conditions.

In conjunction with a corresponding thermowell, these thermometers can also be used with aggressive media.

A comprehensive range of standard versions enables a wide range of applications and uses. The case sizes are available in 3inch and 5inch. Special versions are also manufactured to customer specifications.

Features

- Short response time
- Nominal sizes 3" and 5"
- Large selection of standard versions
- Customized versions available
- For aggressive media

Options

- Filled versions for measuring points with high vibrations
- Models with turnable and rotateable connection

Measuring ranges

-70 ... 30 °C up to 0 ... 600°C

Applications

Chemical and petrochemical industry
Process engineering
Food industry

Models: TM304, TM305, TM307, TM308

