

Temperature – pressure measuring instrument in the standard program for domestic engineering

Nominal size NG 63 and 80

Connection position or back, central



Description

The temperature – pressure measuring instruments of the standard programs can be used anywhere where liquid or gaseous materials to be measured do not attack copper alloys, do not crystallise and are not highly viscous.

The temperatures – pressure measuring instruments meet the general technical recommendations and observe both application requirements and those based standards.

In one instrument there is a measuring system for both temperature and pressure which makes for a low cost installation.

Features

- o Pressure and temperature display
- o With automatic valve
- o Measuring system using copper alloy
- o Reduction of the fitting costs

Measuring Ranges

Pressure: 0 4 bar up to 0 10 bar


Temperature: 20 ... 120 °C

Applications

Domestic engineering,
Heating systems,
Solar technology,
District heating systems

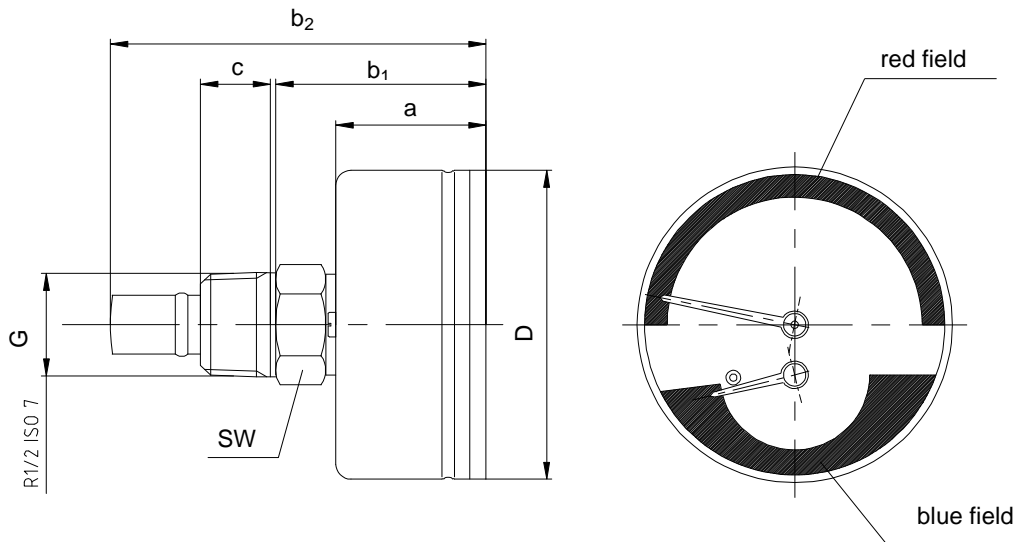
Model: P1496, P1497

Technical data

| Models | P1496 | P1497 |
|---|---|---------|
| Nominal size | 63 | 80 |
| Type |  | |
| Class | 2.5 | |
| Display range: Pressure Temperature | 0 ... 4 up to 0 ... 10 bar 20°C ... 120°C | |
| Application | Constant load: 3/4 x full scale value Alternating load: 2/3 x full scale value Short-time: full scale value | |
| Case | Plastic, black | |
| Window | Plastic, clipped on and with adjustable red marking indicator | |
| Dial | Plastic, white, scale black; deposit background red: Temperature; blue: Pressure | |
| Pointer | Pressure: plastic, black, Thermometer: plastic, red | |
| Segments | CuZn-alloy | |
| Elastic pressure elements | Pressure: Bourdon tube, Cu alloy Temperature: Bi metallic strip | |
| Sensors | CuZn-alloy | |
| Connection - position | CuZn-alloy back, central | |
| Connection thread | G1/4 B with valve R 1/2 ISO 7-1 (conical) | |
| Dipping casing | CuZn- alloy with automatic valve | |
| Temperatures - Medium ¹⁾ - Ambient | T_{max} 120 °C T_{min} -20°C , T_{max} 60°C | |
| Temperature drift | Errors on deviation from normal temperature 20 ° C at the measurement system: with Temperature increase or decrease approximately $\pm 0.4\%$ / 10K on the respective scale value | |
| Protection | IP 32 to EN 60529 | |
| Weight approx. | 0.18 kg | 0.30 kg |

¹⁾ Temperature of material to be measured maximum full scale deflection of instrument

Dimensions



| Models | Dimensions in mm | | | | | | |
|--------|------------------|----------------|----------------|----|----|------|----|
| | a | b ₁ | b ₂ | c | D | G | SW |
| P1496 | 30 | 42 | 75 | 14 | 63 | R1/2 | 22 |
| P1497 | 32 | 51 | 97 | 16 | 80 | R1/2 | 22 |

Subject to technical changes