


# Gas filled thermometers FTh 100 Ch

## Part no. 64401432

## gas filled thermometer for chemical applications

**benefits**

- for chemical, process engineering and food industry applications
- high measuring accuracy
- fast response

## Application

For corrosive media. Meets the most exacting measuring demands, e.g. in process engineering as well as chemical and food industry applications.

## Technical Specifications

**Type**
D4

**Nominal size**
100

**Measuring principle**
Pressurised gas filling

**accuracy class**
1 (EN 13190)

**ranges °C**
0/500

**Application area (EN 13190)**
continuous load: Full scale value
short-term: 1.1 x full scale value

**Operating pressure at thermowell**
max. 10 bar (Up to 300 °C)

**Degree of protection**
IP 65 (EN 60529)

### standard version

**Connection**
Stem: Stainless steel 321, ∅ 10 mm, plain

**mounting position**
bottom

**Dial**
Aluminium, white
Scaling: black

**Pointer**
Aluminium, black

**Zero correction**
at the side

**movement**
Brass

**Housing**
Stainless steel 304

**bayonet bezel**
Stainless steel 304

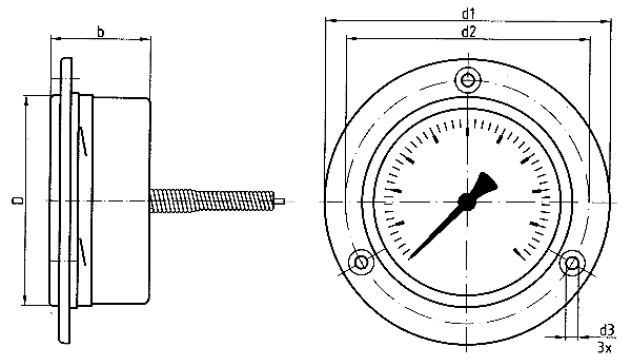
**window**
Instrument glass

## Options

- Every angle version
- Grooved nut connection as per DIN 11851
- other connection designs
- other nominal sizes
- other ranges
- special scales
- Glycerine filling (type D8)
- back flange
- 3-hole fixing, panel mounting bezel
- Capillary (stainless steel 321)
- special materials
- Electrical contacts

## Technical Drawings

**Version with capillary and 3-hole fixing, panel mounting bezel**




**Dimensions (mm)**

| NG | b | D | d1 | d2 | d3 |
|---|---|---|---|---|---|
| 100 | 45 | 101 | 132 | 116 | 5,5 |
| 160 | 45 | 161 | 196 | 178 | 6 |

## Versions

| | Type | housing ⌀ | Range | Type | Type | | Part no. |
|---|---|---|---|---|---|---|---|
| | FTh 100 Ch | 100 mm | 0/500 °C | FTh 100 Ch | D432 | ● | 64401432 |

● in-stock items

● Non-stock items