

# Gas filled thermometers for chemical applications



#### Application

For corrosive media. Meets exacting measuring demands, e.g. in chemical, process technology and food industry applications.

### **Type** D4

**Nominal size** 100 – 160

#### Measuring principle Pressurised gas filling

Accuracy class 1 (EN 13190)

## **Ranges °C** -20/60, 0/60, 0/120, 0/160, 0/200, 0/300, 0/400, 0/500

Working temperature
Continuous: full scale value
Short-term: 1.1 x full scale value



## Operating pressure at thermowell Max. 10 bar (up to 300 °C)

Protection
IP 65 (EN 60529)

#### Standard version

#### Connection

Stem stainless steel 1.4541, 100 x 10 mm, plain

#### Mounting position

Centre back or bottom, with joint

#### Dial

Aluminium, white Dial marking black

#### Pointer

Aluminium, black

#### Zero correction

At side of housing



#### **Movement** Brass

#### Housina

Stainless steel 1.4301

### Bayonet type bezel

Stainless steel 1.4301

#### Front glass

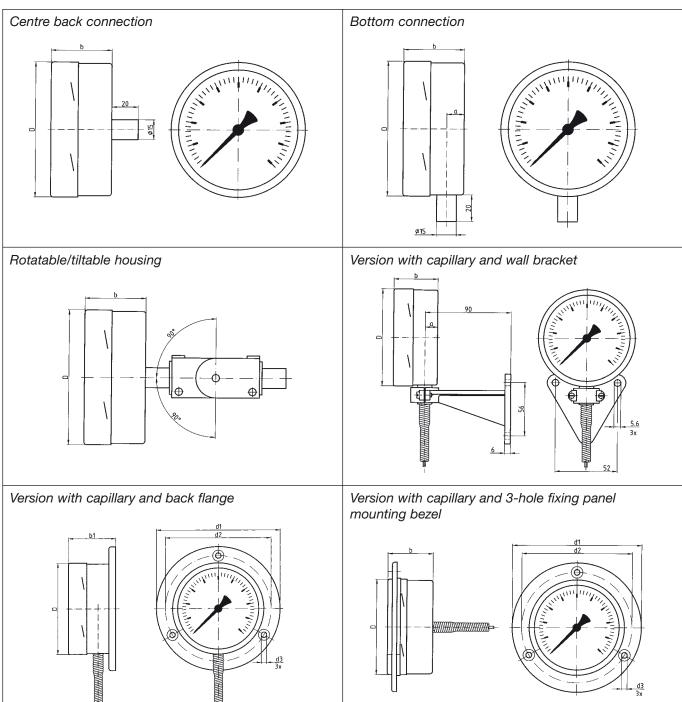
Instrument glass

#### **Options**

- Rotatable/tiltable housing
- Thermowell G<sup>1</sup>/<sub>2</sub>B, stainless steel 1.4541
- Grooved nut connection according to DIN 11851
- Nominal size 250
- Other connection designs
- Other ranges
- Special scales
- Glycerine filling (type D8)
- 3-hole fixing panel mounting bezel
- Back flange
- Capillary (stainless steel 1.4541)
- Special materials
- Electrical contacts

## Gas filled thermometers

## Version for chemical applications type D4 – NG 100/160 Housing types and dimensions



#### Dimensions (mm)

Nominal size (NG)	а	b	b1	Ø D	Ø d1	Ø <b>d</b> 2	Ø <b>d</b> 3	
100	13	45	51	101	132	116	5.5	
160	13	45	51	161	196	178	6	
250	13	55	57	252	285	270	6	