



Specifications

- Diameters: 80-100-130-150mm
- Case and ring: st. st. 304, bayonet type ring
- Protection degree: IP56
- Transparent: Acrylic
- Movement: Brass
- Dial: aluminium with black numerals on white background
- Pointer: Aluminium., black painted, adjustable
- Sensing element: cold welded bimetal coil
- Capillary material: AISI 316
- Bulb material : AISI 316
- Dimension bulb: standard Ø6mm, Ø8mm
- Connection dimension: 1/4", 1/2", 3/4", 1" NPT or BSP
- Mounting: see table at page 2
- Ranges: see table at page 2
- Over range: +30% F.S.
- Accuracy: class 1
- Ambient temperature limit: -25/+65°C
- Limit: can be used for continuous service up to 400°C

Options and accessories

- Construction acc. To ATEX directive 94/9/EC , gr.II cat. 2GDc
- Special scale
- Safety glass window
- Thermowell (See related datasheet)

Available certification

- 2.1 certificate of conformity
- 3.1 material certificate
- Surface finish certificate to ASME BPE
- Test certificate for indication accuracy
- ATEX 94/9/EC conformity certificate (for ATEX version)

Introduction

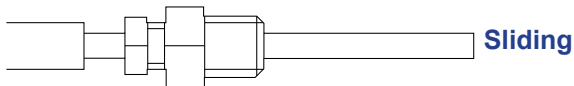
The temperature gauge series TT100 bimetal sensor is made from two cold welded metal strips with different thermal expansion coefficient.



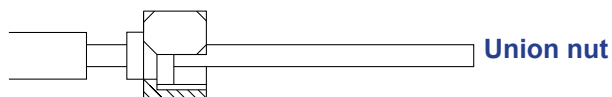
Probe connection types



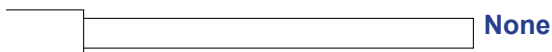
Rotating



Sliding



Union nut



None

How to order

Please specify: model, case diameter, mounting, range, probe immersion 'S', connection, options if any
Example: TT100, 100mm, A, 0/60°C, immersion 50 x 6mm, 1/2"NPT sliding fitting

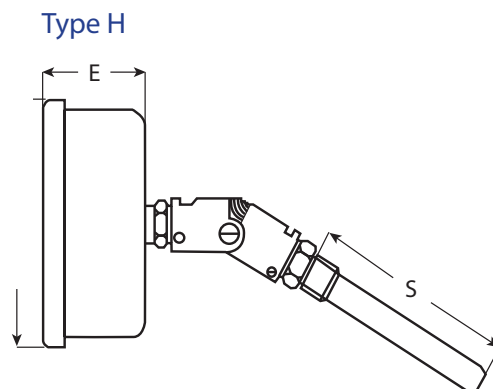
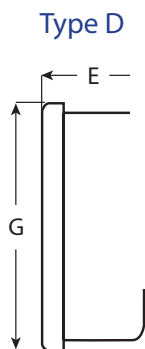
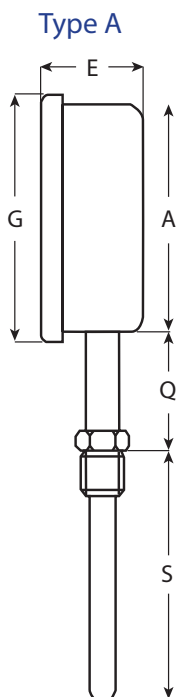
Mounting styles and dimensions

Direct stem

Type A - bottom connection, direct mounting

Type D - back connection, direct mounting

Type H - multi-angle connection, direct mounting



DS	G	E	A	Q	S	Bulb dimension
80	90	38	80	20	On request	6 mm
100	112	38, 27 Type D + H	98	20		6 mm
125	140	53, 27 Type D + H	126	20		6 mm
150	164	53, 27 Type D + H	148	20		6 mm

Measurements in mm

Temperature ranges °C	-50/+50	-20/+40	-20/+60	-20/+80	-10/+50	0/+40	0/+50	0/+60	0/+80	0/+100
	0/+120	0/+150	0/+200	0/+250	0/+300	0/+400	0/+400			

Available on request double scales and scale in °F