

BIMETAL THERMOMETERS

Type B4: All stainless steel construction

Service Intended

Suitable for media such as air, water, oil, gas, and chemicals that will not attack stainless steel parts. Typical applications will be in a general industrial heating, air-conditioning, food, petroleum, and chemical industry. Not recommended for applications where excessive vibration is present.

Nominal Case Sizes

50, 63, 80, 100, 120 and 150mm diameter.

Case Material

Stainless Steel.

Stem Location

Bottom or rear mount, fixed or adjustable angle. With or without mounting flange. See "Mounting Configuration".
(50mm rear mount only)

Stem

To suit application. See "Standard stem and fitting sizes". Max stem pressure w/o thermowell 2500 kPa.

Thermowell

Fabricated thermowell maximum pressure 16 MPa
Solid machined thermowell maximum pressure 60 MPa.

Bezel

Nitrile Rubber self sealing type.

Window

Glass or plexiglass.

Dial

White aluminium. Black lettering. Other options on request.

Pointer

Black aluminium.

Sensing Element

Bimetal coil, direct drive.

Working Range

Maximum scale value.

Accuracy

Class 1 (1% of full scale value)

Weather Protection

IP 65 water and weather proof.

Liquid Filling

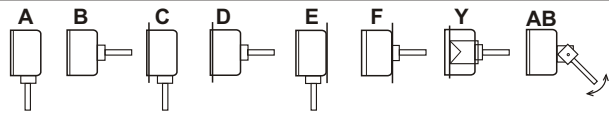
Glycerine or silicone filling of stem and case.
Glycerine maximum 120°C
Silicon maximum 250°C

Optional Extras

Calibration Certificate
Special Dials, other than standard
Customer Logos
Colour Coding
Thermowell to suit stem



MOUNTING CONFIGURATIONS



A: Bottom connection, no flange
B: Rear connection, no flange
C: Bottom connection, front flange
D: Rear connection, front flange
E: Bottom connection, rear flange
F: Rear connection, rear flange
Y: Rear con. narrow front ring (clamp mtg)
AB: Rear connection. Every angle (adjustable)

STANDARD PRESSURE RANGES

| Scale range °C | Minor graduations | Figure interval |
|----------------|-------------------|-----------------|
| -30...0...+50 | 2 | 20 |
| -30...0...+70 | 2 | 20 |
| -20...0...+100 | 2 | 20 |
| 0...60 | 1 | 10 |
| 0...100 | 1 | 20 |
| 0...120 | 1 | 20 |
| 0...160 | 2 | 20 |
| 0...200 | 5 | 50 |
| 0...300 | 5 | 50 |
| 0...400 | 10 | 100 |
| 0...500 | 10 | 100 |

Other ranges on request

STANDARD STEM AND FITTING SIZES

Stem length including thread : 65, 100, 150, 200, 250, 300mm standard. 400, 500mm and non-standard sizes available on request.

Stem diameter : 6mm dia standard. 8, 10 & 12mm on request.

: 1/2" BSP or NPT male

: 1/4", 3/8", 1/2", and 3/4" in BSP or NPT

: Plain stem (no thread)

: Hygienic flange mounting for the food and beverage industry