

BIMETAL THERMOMETER

For measuring the temperature of liquid and gaseous fluids in tanks and ducts.

- Stainless-steel casing and plunger
- 3 models: vertical, rear and multidirectional
- Measurement ranges from -30°C to +600°C



Petrochemicals



Industrial tanks



Ducts

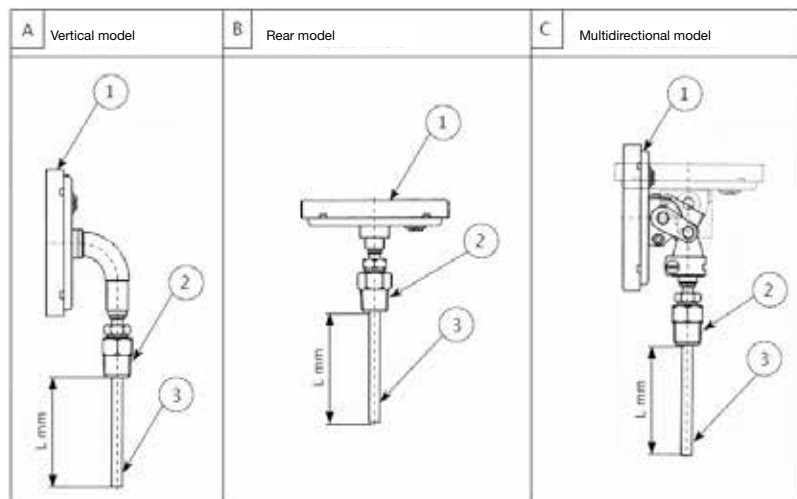
■ Operation

Thermometer using the difference in the expansion of two metals to measure fluid temperatures. With its rugged design, it is used in various industrial applications.

■ Specifications

Measuring element	Helical bimetal element
Accuracy class	Class 1 according to EN 13190
Temperature range	-30 °C ... +600 °C
Casing and plunger	Stainless steel
Dial	White aluminium
Dial diameter	100 or 150 mm
Acceptable ambient temperature for casing	-20 °C... +60 °C, other ranges on request
Zero adjustment	Rear panel of casing on request
Protection	IP65
Plunger	Models: vertical, rear, multidirectional - inclinable casing
Acceptable working pressure	25 bar max., static
Diameter and length (L)	6 or 8 mm, L: as requested (depends on the measurement range and the diameter)
Connection	Fixed or sliding / Choice of sealed compression: GAS or NPT threading
Strong vibrations	Filling with glycerine or silicone on request

■ Design diagram



(1) Choice of the required dial diameter and scale

Available scale (°C)	0 / +50	0 / +200
-20 / +40	0 / +60	0 / +250
-20 / +60	0 / +80	0 / +300
-30 / +70	0 / +100	0 / +400
-30 / +120	0 / +120	0 / +500
	0 / +150	0 / +600

(2) Choice of sealed compression fitting (GAS or NPT threading)

(3) Choice of the length (as requested by customer) and diameter of the element (Ø 6 or Ø 8)

■ To order

Series	Model	Casing Ø	Scale °C	Threading	Ø of measuring element	Length of measuring element
BI Bimetal thermometer	A, B or C	100 or 150 mm	See table	Gas or NPT	6 or 8 mm	on request

■ Other versions

Specific features: our R&D department can produce tailored temperature sensors to match your requirements.

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