

RIC100 full stainless steel bimetal thermometers

The industrial bimetal thermometers series RIC100 are thermometers with cylindrical spring as sensing element. They are suitable for petrochemical, food and pharmaceutical plants and everywhere is required the use of stainless steel and they have the design features in according to technical specifications of UNI and others international rules. The bimetal thermometer series RIC100 are available in 80 / 100 / 150 mm dial sizes and back, bottom or every angle versions.

Main applications:

- Chemical industry
- Food industry
- Pharmaceutical industry
- Petrochemical industry
- Everywhere is required the use of the stainless steel.

Technical features

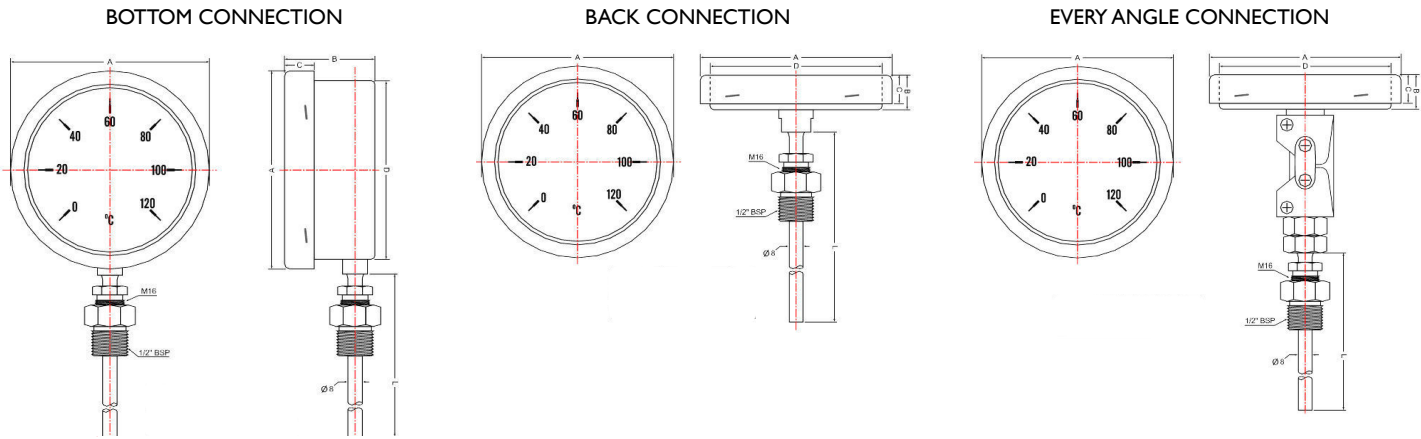
Design features	
Dial size	80 / 100 / 150 mm
Accuracy	1% (EN 13190)
Case and ring	Stainless steel AISI 304
Gasket	Neoprene
Window	Glass 3 mm thick
Dial	White aluminium with black marks
Pointer	Black aluminium adjustable
Sensitive element	Cylindrical bimetal spiral
Bulb	Stainless steel AISI 316, cylindrical type
Bulb diameters	Ø 6 / 8 mm



Operating conditions	
Maximum operating ambient temperature	from -30°C to +65°C
Over temperature	• 20% F.S.V. up to 160°C ; • 10% F.S.V. over.
Maximum working pressure	25 bar (without thermowell)
Degree of protection	IP 65 (EN 60529)

The thermometers series BTSS are availability in the ATEX version.

Connections



Dimensions

DN	A	B	C	D
80 Bottom	84 mm	46,5 mm	11 mm	75 mm
100 Bottom	111 mm	50,5 mm	16,5 mm	100 mm
150 Bottom	161 mm	50,5 mm	18 mm	150 mm
80 Back	84 mm	18,5 mm	11,5 mm	74,5 mm
100 Back	111 mm	20 mm	16,5 mm	99,5 mm
150 Back	161 mm	21 mm	18 mm	149 mm
100 Every angle	111 mm	20 mm	16,5 mm	99,5 mm
150 Every angle	161 mm	21 mm	18 mm	149 mm

Minimum lenghts of the sensors

Ranges	Minimum lenght
0-60°C	110 mm
0-80°C	100 mm
0-100°C	80 mm
0-120°C	70 mm
0-160°C	60 mm
0-200°C	70 mm
0-250°C	110 mm
0-300°C	100 mm
0-400°C	80 mm
0-500°C	70 mm
0-600°C	65 mm
-10+60°C	110 mm

Ranges

Range (°C)	Scale interval (°C)
-50+50	2
-40+40	1
-40+60	2
-30+70	2
-30+50	1
-20+40	1
-20+60	1
-20+80	2
-20+140	2
-10+50	1
-10+60	1
-10+110	2
0-60	1
0-80	1
0-100	2
0-120	2
0-160	2
0-200	5
0-250	5
0-300	5
0-400	10
0-500	10
0-600	10

Ranges in fahrenheit are available.

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