FRANCE

The Bimetal thermometer employs a bimetal strip in the form of helix (it works on the principle of thermal expansion - two metals having different coefficient of expansions are joined to form a bimetal. The resultant expansion of bimetal is proportional to temperature). Bimetal dial thermometers are simple in construction, yet rugged. They are used for measurement of temperature in most of the industrial applications. They are offered in the range of (-) 50°C to 600°C. With rigid stem having bottom or back entry. It can also be offered in every angle rotatable construction.

## **Features**

- Rugged construction
- Bottom/Back entry, every angle construction
- Fast response
- Protection class IP-67
- Accuracy ± 1% FSD
- High repeatability, low hysteresis
- Hermetically sealed case



## **Specifications**

Ref. Standard

ASME B 40.200, EN 13190

Dial

100 mm or 150 mm in aluminium white background,

black markings

Case

SS304 with bayonet bezel / SS316 optional

Protection

Weatherproof to IP - 67 (IS/IEC: 60947 / IEC: 60529)

Window

Shatterproof glass

Pointer

Aluminium, black, micrometer adjustable

Stem

SS304 or SS316 in 6 mm, 8 mm, 10 mm, 12 mm dia and

length from 100 mm to 1000 mm as standard 1/2" NPT (M) as standard in SS304 or SS316

Connection adjustable three piece compression fitting

(-) 50°C to 600°C with a minimum span of 60°C

Range Accuracy

± 1% FSD

Over range

Reset

125% FSD (upto max temp range of 500°C)

Micrometer Pointer (standard)

External (optional)

Optional

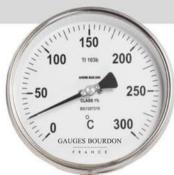
1) Silicon Oil Filled Case (Suitable upto 339°C Max)

2) Contacts: Single SPST, normally open to close on rise / fall in temperature (specify action required) adjustable over the entire range, rating 30 VA @ 230 V AC (100

mm dial, back entry only )

Note

- 1) For minimum insertion length essential for proper sensing, contact our design department.
- 2) Three point calibration certificate accompanies each thermometer.





## **Ordering Information**

15 1/2"

25 1"

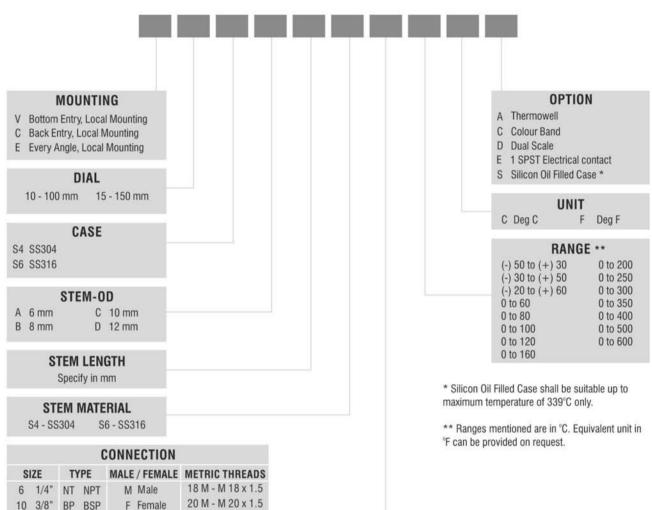
20 3/4"

BT BSPT

GS Gas NS NPS

PF PF

## MODEL: BDT



24 M - M 24 x 1.5

XX - Any other

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3