

Bimetal stainless steel thermometers/ Bimetal thermometers for chemical applications



Bimetal stainless steel thermometers

Application For corrosive media. Suitable for a great variety of industrial applications.

Technical specifications

Type: D3

Nominal size: 63 – 80 – 100

Measuring element: Bimetal helix

Accuracy class: 1 (EN 13190)

Ranges °C

-20/+60, 0/60, 0/120, 0/160

Application area (EN 13190)

Continuous load: measuring range

Short-term: range

Operating pressure at thermowell

Max. 6 bar

Degree of protection: IP 43 (EN 60529)

Standard version

Connection

Stem stainless steel 316 L, Ø 8 mm, plain

Adapter ring

Plastic, for thermowells with connection collar Ø 14, 18 mm (only for axial mounting position up to max. 120 °C)

Mounting position

NG 63 – 80 – 100 centre back

NG 63 – 100 bottom

Dial

Aluminium, white – Dial marking black

Pointer: Aluminium, black

Housing and push on bezel: Stainless steel 304

Window: Instrument glass

Options

- Thermowell G½B, stainless steel 316 Ti/316 L
- Other connection designs
- Other ranges
- Other stem lengths

Bimetal thermometers for chemical applications

For corrosive media. Meets exacting measuring demands, e.g. in process engineering as well as chemical and food industry applications.

Type: D4

Nominal size: 63 – 100 – 160

Measuring element: Bimetal helix

Accuracy class: 1 (EN 13190)

Ranges °C

-20/+60, 0/60, 0/120, 0/160

Application area

Continuous: Full scale value

Short-term: 1.1 x full scale value

Operating pressure at thermowell

Max. 6 bar

Degree of protection: IP 65 (EN 60529)

Connection

Stem stainless steel 316 Ti, Ø 8 mm, plain, closed

Mounting position

NG 63 – 100 – 160 centre back

NG 63 – 100 – 160 bottom

Dial

Aluminium, white

Dial marking black

Pointer: Aluminium, black

Housing: Stainless steel 304

Bayonet type bezel: Stainless steel 304

Window: Instrument glass

- Thermowell G½B, stainless steel 316 Ti/316 L
- Grooved nut connection as per DIN 11851
- Other connection designs
- Other ranges
- Other stem lengths
- Laminated safety glass window
- Glycerine filling
- Every angle version
- 3-hole fixing, panel mounting bezel
- Back flange
- Special materials

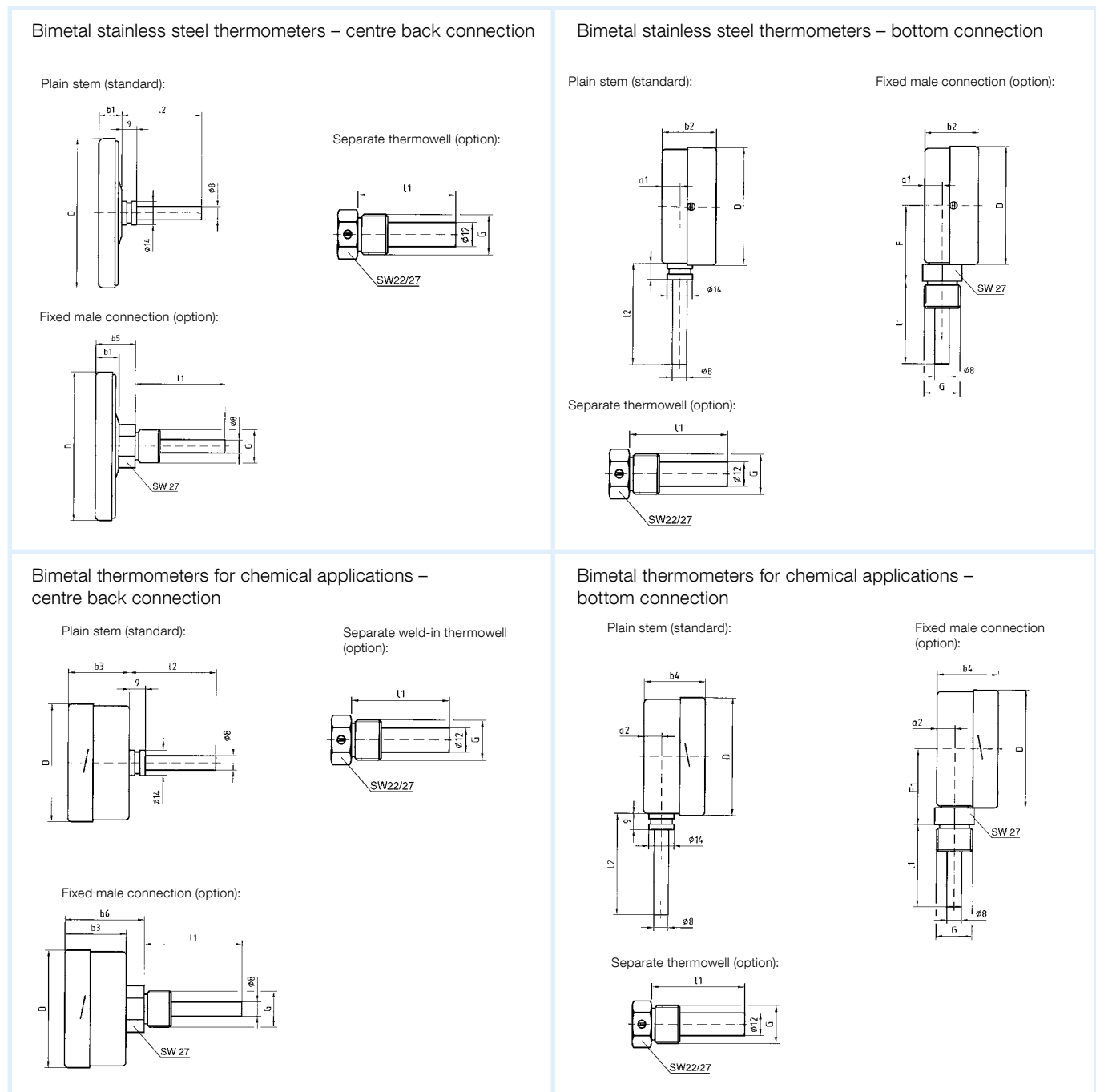


See pages 275/277 for prices.

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Housing types and dimensions (mm)

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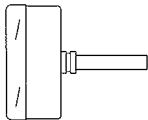
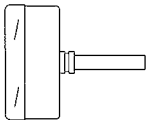
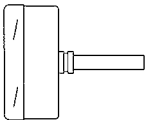
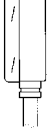
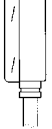



Dimensions (mm)

Nominal size (NG)	D	a1	a2	b1	b2	b3	b4	b5	b6	F	F1	G	l1	l2
63	63	10	15.5	15	34	32	45	27	62	46.5	58.5	G $\frac{1}{2}$ B	40	49
80	80	-	-	15	-	-	-	28	-	-	-	G $\frac{1}{2}$ B	63	67
100	100	10	17.5	17	36	27.5	49.5	29	57.5	65	77.5	G $\frac{1}{2}$ B	100	104
160	160	10	15.5	18	-	34	48	32	64	95	107.5	G $\frac{1}{2}$ B	150	154
													200	204

Bimetal thermometers for chemical applications

DG: H, PG: 3

Type	BiTh 63 Ch D412	BiTh 100 Ch D412	BiTh 160 Ch D412	BiTh 63 Ch D402	BiTh 100 Ch D402	BiTh 160 Ch D402
Version						
Housing Ø	63	100	160	63	100	160
Housing	Stainless steel 304 with bayonet bezel, instrument glass window					
Stem	Stainless steel 316, Ø 8 mm					
Connection	Plain stem (without thermowell)*					
Accuracy class	Class 1 as per EN 13190					
Range	-20/+60 °C	-20/+60 °C	-20/+60 °C	-20/+60 °C	-20/+60 °C	-20/+60 °C
For thermowell with stem length L1	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.
63 mm	66607412	66807412	66907412	66607402	66807402	66907402
100 mm	66608412	66808412	66908412	66608402	66808402	66908402
150 mm	66609412	66809412	66909412	66609402	66809402	66909402
200 mm	66610412	66810412	66910412	66610402	66810402	66910402
Range	0/60 °C	0/60 °C	0/60 °C	0/60 °C	0/60 °C	0/60 °C
For thermowell with stem length L1	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.
63 mm	66632412	66832412	66932412	66632402	66832402	66932402
100 mm	66633412	66833412	66933412	66633402	66833402	66933402
150 mm	66634412	66834412	66934412	66634402	66834402	66934402
200 mm	66635412	66835412	66935412	66635402	66835402	66935402
Range	0/120 °C	0/120 °C	0/120 °C	0/120 °C	0/120 °C	0/120 °C
For thermowell with stem length L1	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.
63 mm	66647412	66847412	66947412	66647402	66847402	66947402
100 mm	66648412	66848412	66948412	66648402	66848402	66948402
150 mm	66649412	66849412	66949412	66649402	66849402	66949402
200 mm	66650412	66850412	66950412	66650402	66850402	66950402
Range	0/160 °C	0/160 °C	0/160 °C	0/160 °C	0/160 °C	0/160 °C
For thermowell with stem length L1	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.	Price € Part no.
63 mm	66652412	66852412	66952412	66652402	66852402	66952402
100 mm	66653412	66853412	66953412	66653402	66853402	66953402
150 mm	66654412	66854412	66954412	66654402	66854402	66954402
200 mm	66655412	66855412	66955412	66655402	66855402	66955402

Blue part no. = in-stock items



* See page 283 for other connection types, options/extra charges.