All Stainless Steel Bimetal Thermometers (Dry / Silicone Filled)

Applications

- Temperature measurement applications of the fluid will not corrosive effect on stainless steel material
- Machine industry
- Food and medicine industry
- Process industry
- Chemical and Petrochemical industry
- Clean water and waste water treatment systems

Sample Picture



General Features

- Production according to EN 13190
- All stainless steel material
- Silicon filled version for the system with vibration
- From -40 °C to +500 °C scale ranges

Standard Technical Features

Nominal size
63mm ,100 mm, 160 mm

Design
EN 13190

Ingress Protection
T30 (dry version) : IP 65
T30G (Silicon filled version) : IP 65 (Only Ø100 mm)

Accuracy class
Cl. 1.0

Scale ranges	Measuring ranges
-40 … +60 °C	-30 … +50 °C
0 … 60 °C	10 … 50 °C
0 … 120 °C	10 … 110 °C
0 … 160 °C	20 … 140 °C
0 … 200 °C	20 … 180 °C
0 … 300 °C	30 … 270 °C
0 … 400 °C	50 … 350 °C
0 … 500 °C	50 … 450 °C

* For model T30G, only Ø100 mm nominal size and max. 200 °C range is possible

Working pressure
Maximum 25 bar

Case
304 stainless steel

Bezel ring
304 stainless steel (bayonet type)

Window
Industrial glass

Pointer
Black painted Aluminium DIN pointer

Connection
316 stainless steel / G1/2B - fixed type
*** Other connections on request

Stem
316 stainless steel / Ø8 mm diameter
*** Other sizes on request

aterma® EXPERT OF PRESSURE & TEMPERATURE

Standard Technical Features

Stem lenght: L (inculed male theard)

60 mm, 100 mm, 150 mm, 200 mm (standard)
** Other sizes on request

Thermowell selection

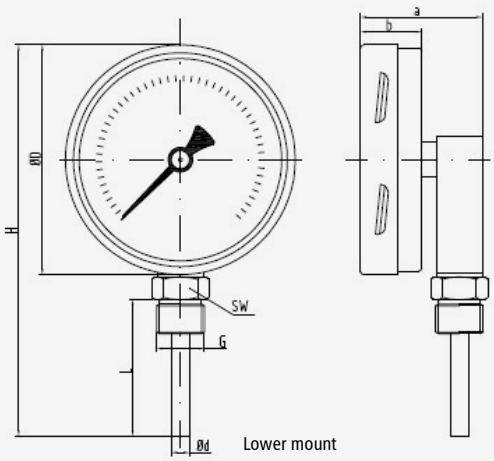
If a Thermowell is additionally requested, selection is made according to the calculation below.

Thermowell model: TV1
Thermowell stem lenght L1
Thermometer stem lenght: L

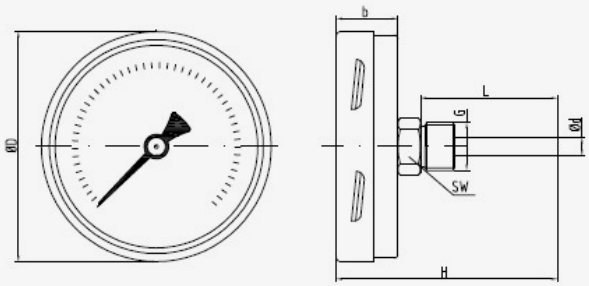
L1 = L - 17 mm

Options

- Other process connections (1/2 NPT vs.)
- Other scale ranges
- Calibration certificates
- Other stem diamaters (6 mm, 10 mm vs.)
- Other stem lenghts



Lower mount



Center back mount

Dimensions (mm)								Weights (kg)	
Nominal size / Connection type	a	b	D	L	H	G	SW	T30	T30G
63 mm Lower mount	49	23	Ø 63	60 mm	154	G 1/2 B	22		-
				100 mm	194				-
				150 mm	244				-
100 mm Lower mount	55	28	Ø 100	60 mm	175	G 1/2 B	22	0,40	0,70
				100 mm	215			0,45	0,75
				150 mm	265			0,50	0,80
				200 mm	315			0,55	0,85
63 mm Center back mount	-	23	Ø 63	60 mm	92	G 1/2 B	22	0,17	-
				100 mm	132			0,22	-
				150 mm	182			0,27	-
100 mm Center back mount	-	28	Ø 100	60 mm	99	G 1/2 B	22	0,25	0,55
				100 mm	139			0,30	0,60
				150 mm	189			0,35	0,65
				200 mm	239			0,40	0,70

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