

All stainless steel bimetal thermometer

Model BMT

Nominal size 63mm, 100 mm or 150 mm

Accuracy: Class 1.6 (1.6%)

Features

- Rugged stainless steel construction
- Fast response
- Protection IP65
- External zero adjustment
- Dry or liquid filled
- Silicone damped coil

Ranges

-50 ... 50 °C up to 0 ... 400 °C

-80 ... 120 °F up to 200 ... 700 °F

Applications

Chemical and petrochemical industry

Machine and apparatus construction

Food and beverage industry

Pulp and paper industry

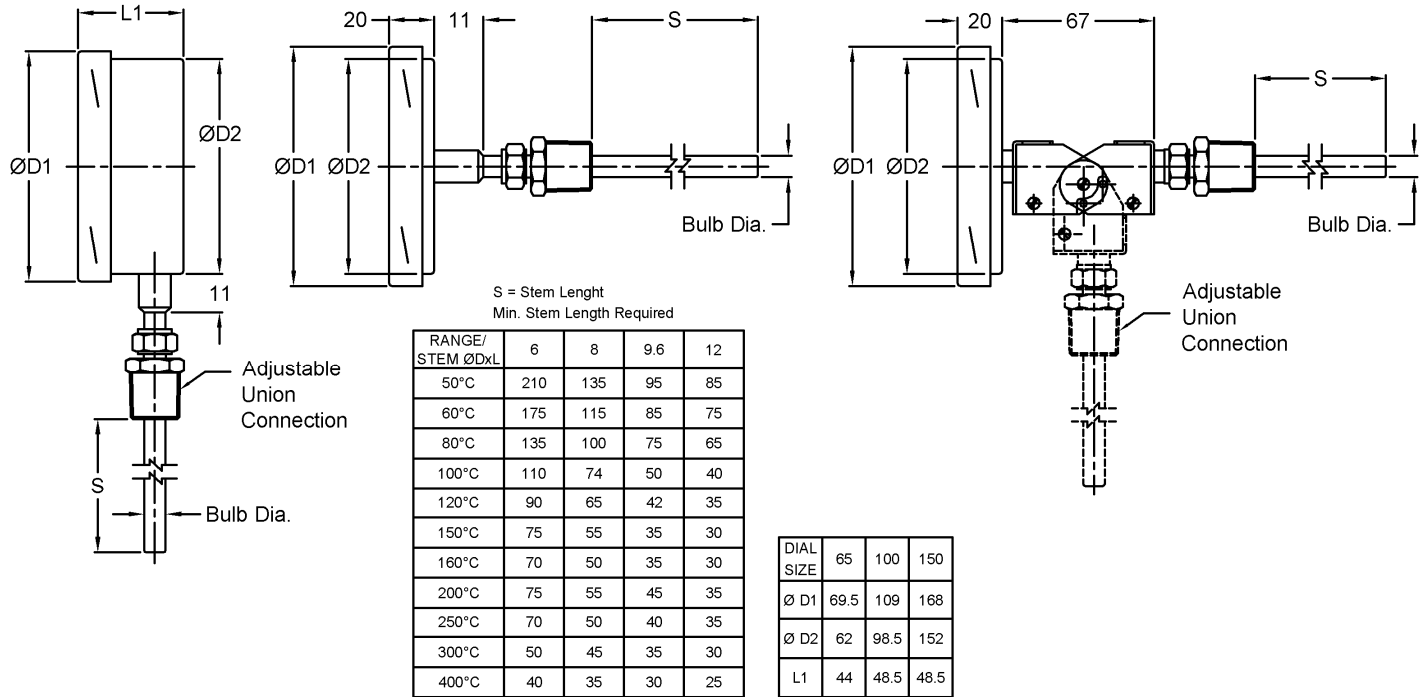


Technical specification	BMT		
	63mm	100 mm	150 mm
Dial size	63mm	100 mm	150 mm
Construction	Cylindrical case with bayonet ring		
Measuring principle	Bimetallic coil		
Range in °C	0/50 0/60 0/80 0/100 0/120 0/150 0/160 0/200 0/250 0/300 0/400 -10/50 -10/110 -20/40 -20/60 -20/180 -30/50 -30/70 -40/40 -40/60 -40/160		
Temperature limits for ranges	Ranges in °F and dual scales on request		
Max. process over temperature	< 120 °C	≥ 120 °C and < 290°C	≥ 290 °C
Stem	100 % of span	50 % of span	max. 425 °C for continuous service
Diameter	6 mm, 8 mm, 10 mm, 12 mm, 1/4" (6,4 mm), 3/8" (9,6 mm)		
Length	63 ... 1000 mm, minimum length depends on range. (refer chart)		
Process connection	Plain 1/2" 3/4" 1" BSP / NPT (M) fixed, adjustable or with swivel nut		
Connection location	Back, lower and every angle (rotatable)		
Material			
Connection	Stainless steel 316		
Stem	Stainless steel 316L		
Case/ring	Stainless steel 304, optional 316L		
Window	Instrument glass, optional laminated safety glass		
Dial	Aluminum, black markings on white background		
Pointer	Aluminum, black		
Accuracy	Class 1.6 (1.6%) optional class 1 (1%)		
Protection	IP65		
Filling liquids	Silicone, not for lower connection, maximum range up to 300 °C (ambient temperature maximum 65 °C)		
Accessories, options	Thermowells, dual scale		

All specifications are subject to change without notice.

IN.BMT Rev. E 16/02/2011

General dimensions in mm



Order information

Size	Stem diameter	Filling	Process connection	Connection orientation	Stem length	Range	Engineering unit	Options
(63) 63mm	(06) 6 mm	(=) Standard (no filling)	(40) Plain	(L) Lower	63 to 1000 mm (for minimum length refer above table)	0 / 50 0 / 60 0 / 80 0 / 100 0 / 120 0 / 150 0 / 160 0 / 200 0 / 250 0 / 300 0 / 400	°C	(NH) Tagging wired (DA) Dial marking (CS) Dual scale (SG) Safety glass (YW) 316L housing (AN) Calibration 1 % F.S. (EZ) External zero adjustment ¹⁾
(100) 100 mm	(08) 8 mm	(L) Liquid filled with silicone max. up to 300 °C (not for lower connection, ambient temperature maximum 65 °C)	(60) Fixed ½ NPT (M)	(R) Back				
(150) 150mm	(10) 10 mm		(61) Fixed ½ BSP (M)	(E) Every angle				
	(12) 12 mm		(70) Adjustable union ½ NPT (M)					
	(64) 1/4" (6,4 mm)		(71) Adjustable union ½ BSP (M)					
	(96) 3/8" (9,6 mm)		(72) Adjustable union ¾ NPT (M)					
		(73) Adjustable union ¾ BSP (M)	(75) Adjustable union 1 BSP (M)					
		(74) Adjustable union 1 NPT (M)	(76) Adjustable union ½ NPT (F)					
			(77) Adjustable union ½ BSP (F)					
			(80) Swivel nut ½ BSP male					
			(81) Swivel nut ½ BSP female					
			(90) Adjustable union M20X1.5					
			(112) Adjustable union 3/8 BSP (M)					
						-10/ 50 -10/ 110 -20/ 40 -20/ 60 -20/ 180 -30/ 50 -30/ 70 -40/ 40 -40/ 60 -40/ 160		
							Others on request	

1) For size 100mm and 150mm only, and for dry gauges only, and not for connection orientation Lower.

How to order

Size	Type	Stem diameter	Filling	Process connection	Connection orientation	Stem length	Range	Engineering Unit	Option
100	BMT	12	=	70	E	150	0/200	C	NH

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