

All stainless steel bimetal thermometer

Model BMT

Nominal size 63 mm, 100 mm, 115 mm or 150 mm

Accuracy: Class 1

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 ... 600 °C

-80 ... 120 °F up to 30 ... 1100 °F

Applications

Chemical and petrochemical industry

Machine and apparatus construction

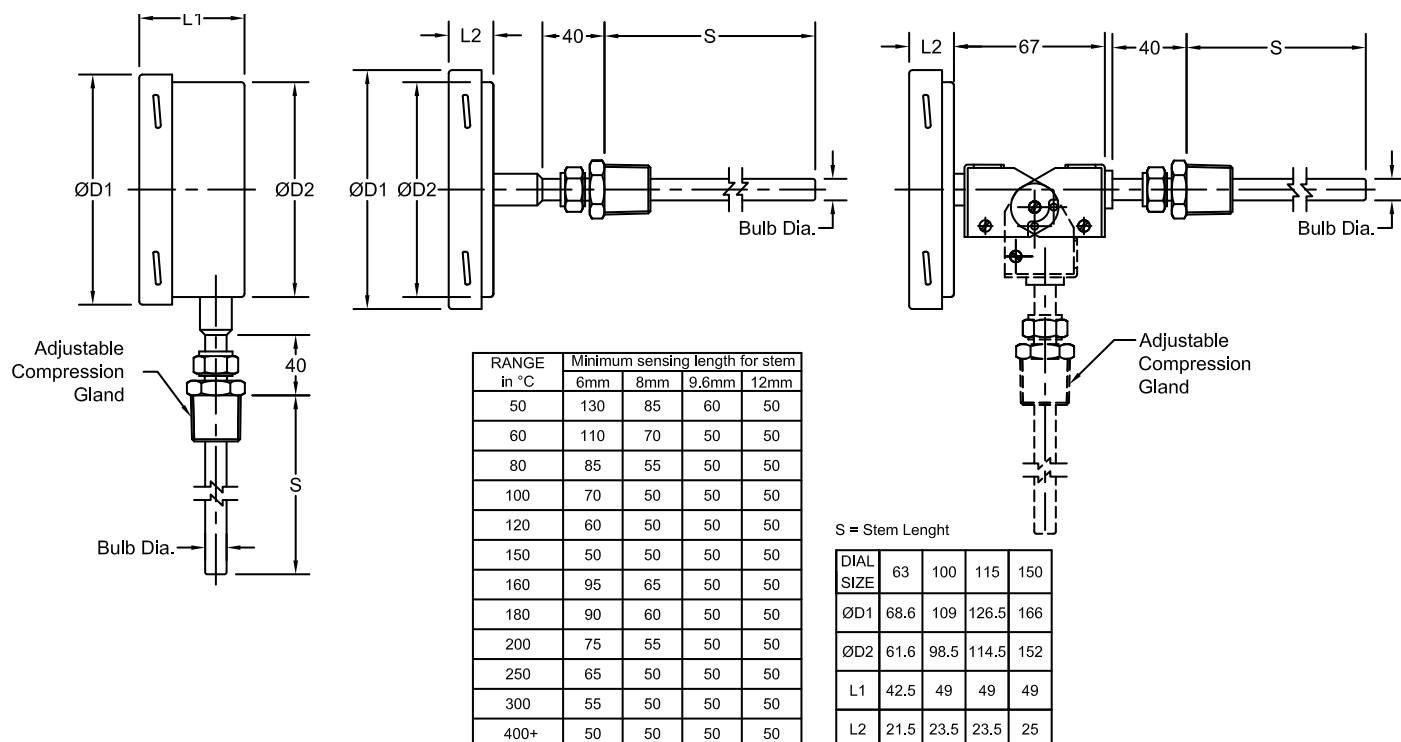
Food and beverage industry

Pulp and paper industry



Technical specification	BMT			
	63mm	100 mm	115 mm	150 mm
Dial size				
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 0/30 0/400 0/500 0/600 -10/50 -10/110 -20/40 -20/60 -20/180 -30/50 -30/70 -40/40 -40/60 -40/160 -50/50 -50/100 -50/150 Ranges in °F and dual scales on request			
Temperature limits				
Max. process over temperature	Max. 130 % F.S. Subjected to Max. 625°C Over temperature			
Stem				
Diameter	6 mm, 8 mm, 10 mm, 12 mm, others on request			
Length	63 ... 1000 mm, minimum length depends on range, (refer chart)			
Process connection	Plain 1/2" 3/4" 1" BSP / NPT (M) fixed or adjustable			
Connection location	Back / Every angle (rotatable) Lower / Back / 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			
Permissible				
Ambient temperature	-25 ... 80 °C			
Storage temperature	-40 ... 60 °C			
Protection	IP65			
Filling liquids	Silicone, not for lower connection, maximum range up to 300 °C			
Accessories, options	Thermowells, dual scale			

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	(75) Adjustable union 1 BSP (M)	(L) Lower ²⁾	63 to 1000 mm (for minimum length refer above table)	0 / 50	°C	(NH) Tagging wired
(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 1/2 NPT (M)	(76) Adjustable union 1/2 NPT (F)	(R) Back		0 / 60		(DA) Dial marking
(115) 115 mm	(10) 10 mm		(61) Fixed 1/2 BSP (M)	(77) Adjustable union 1/2 BSP (F)	(E) Every angle		0 / 80		(CS) Dual scale
(150) 150mm	(12) 12 mm		(70) Adjustable union 1/2 NPT (M)	(90) Adjustable union M20X1.5			0 / 100		(SG) Safety glass
			(71) Adjustable union 1/2 BSP (M)	(110) Adjustable union 1/4 NPT (M)			0 / 120		(YW) 316L housing
			(72) Adjustable union 3/4 NPT (M)	(112) Adjustable union 3/8 BSP (M)			0 / 150		(EZ) External zero adjustment ¹⁾
			(73) Adjustable union 3/4 BSP (M)	(113) Adjustable union 1/4 BSP (M)			0 / 160		
			(74) Adjustable union 1 NPT (M)				0 / 200		
							0 / 250		
							0 / 300		
							0 / 400		
							0 / 500		
							0 / 550		
							0 / 600		
							-10/ 50		
							-10/ 110		
							-20/ 40		
							-20/ 60		
							-20/ 180		
							-30/ 50		
							-30/ 70		
							-40/ 40		
							-40/ 60		
							-40/ 160		
							-50/ 50		
							-50/ 100		
							-50/ 150	Others on request	

1) For size 100mm, 115 mm and 150mm only, and not for connection orientation Lower.

2) Not for size 63mm

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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