

MARSH®

Any Angle Thermometers



Description

According to BS EN 13190
Nominal sizes, 100 and 160 mm
Accuracy: Class 1

Features

Rugged stainless steel case construction
Bayonet locking case and bezel
Protection to IP65
Usable over 90% of I scale
Bimetal coiled element
Over-range protection 130%
(max 500 deg C)
From -60 to + 500 deg C.

Applications

Heating and ventilation industry
Machine and apparatus construction

Specifications: SBT/AA

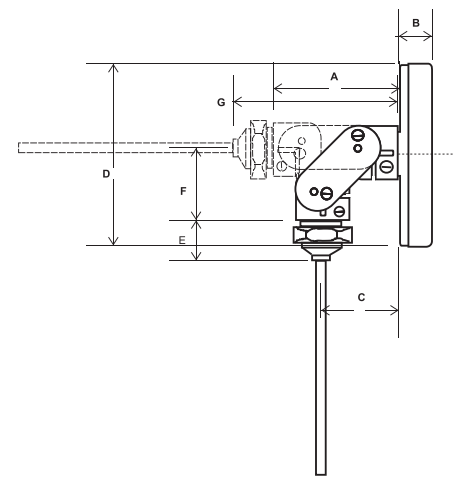
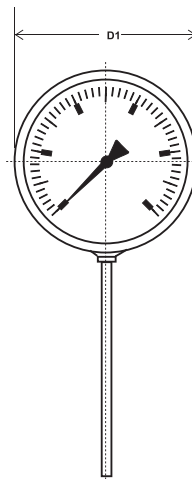
Dial Size	100	160
Construction	Flush fitting bayonet locking case and bezel.	
Measuring Element	Bimetallic Coil	
Ranges {deg C}	See table SBT1	
Over-range limit	130% full scale....short periods. (Max 500 deg C)	
Material Construction		
Stem / Bulb	316 Stainless Steel	
Stem / Bulb dia (mm)	6, 8, 10, 12 mm. 1/4, 3/8, 1/2 in. max length. 800mm	
Case / Bezel ring	Stainless steel AISI 316L	
Window	Instrument glass standard, limited safety glass or acrylic optional	
Dial	Aluminium, black figures on white... optional, steel, other colours	
Pointer	Aluminium, black, optional micro adjustment, steel	
Movement	Stainless flat wire spring in a 304 stainless flexible.	
Accuracy	Class 1 (1% F.S.D.)	
Permissible	Degree C	
Ambient Temp.	+10 +30	
Temperature Effect	Max. 0,3% / 10 Deg C	
Protection	EN 60 529 IP65	
Filling Liquid	Silicone (SI)	
Mountings	Fully adjustable and rotatable thru 90 degrees.	
Weight dry / filled {kg}	1.1 / 1.4	1.3 / 1.9
Accessories	Index pointers, Fitting, Thermowell	

	D	D1	A	B	C	E	F	G
63								
100	99	101	80	28	50	20	45	100
160	158	158	80	28	50	20	45	100

All specifications are subject to change without notice

Minimum Stem Lengths

Stem	Range C°										
	60	80	100	120	160	200	250	300	400	500	
6mm	100	100	100	65	65	65	65	65	65	65	
8mm	100	100	100	65	65	65	65	65	65	65	
10mm	100	100	100	65	65	65	65	65	65	65	
12mm	100	n/a	n/a	65	65	65	65	n/a	65	n/a	
1/4 in.	100	100	100	65	65	65	65	65	65	65	
3/8 in.	100	100	100	65	65	65	65	65	65	65	
1/2 in.	100	n/a	n/a	65	65	65	65	n/a	65	n/a	



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