



Data Sheet  
**TB-30 Series**  
**Bimetal Coil Thermometer -**  
**Stainless Steel**

*Distributed by*



[www.bristolinstruments.com](http://www.bristolinstruments.com)

Bristol Instruments  
90 Canal Street  
4th Floor  
Boston, MA 02114

Toll free 877-866-8500

# Bimetal thermometer Stainless steel

**Dial size: ND of 2½, 4 and 6 in.  
(63, 100 and 160 mm)  
Accuracy: ±1% of full scale**

### Features

Short response time  
Wide selection of standard versions  
High grade version

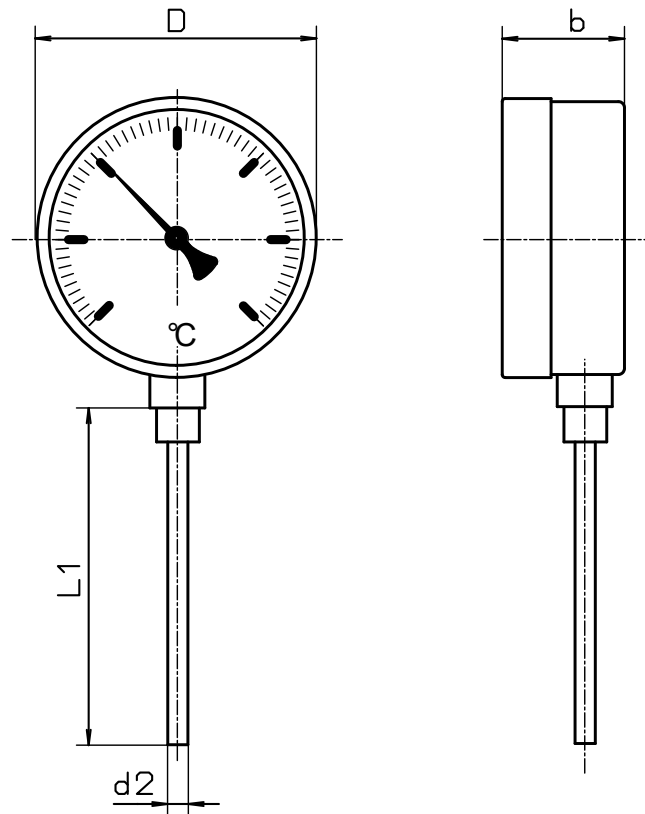
### Applications

Mechanical engineering and apparatus manufacture,  
Container and pipe construction  
Building service and a wide range of applications in  
industry



Model and ND	TB-30 63	TB-30 100	TB-30 160
Connection	bottom		
Ranges in °C	-30...+50°C, -20...+60°C, -10...+50°C 0...60°C, 0...80°C, 0...100°C, 0...120°C, 0...160°C, 0...200°C, 0...250°C, 0...300°C 0...400°C, 0...500°C, other at inquiry		
Ranges in °F	0 ...150 °F, 0...200 °F, 0...250 °F, 0...300 °F -50...+130 °F, -40...+160, -30...+120 °F, -10...+100 °F, 20...240 °F, 30...140 °F 40...400 °F, 50...300 °F, 50...500 °F, 80...800 °F, 150...700 °F, other at inquiry		
Application	Full scale value		
Case	CrNi steel		
Bezel	CrNi steel, bayonet catch		
Window	Glass lens		
Dial	Aluminum white, scale black		
Pointer	Aluminum, black		
Measuring element	Bimetal coil		
Display correction	Adjusting pointer or at end of shaft		
Shaft	CrNi steel, 8 mm		
Connection	See data sheet T 190		
Length	45, 63, 100, 150, 200, 250 mm, max. 500 mm		
Protection	IP 43 or IP 65 according to EN 60259 /IEC 529		
Weight	0.2 kg	0.4 kg	0.8 kg

## Dimensions



Dimensions in mm								
Model	NG	D	b		d2		sw	G
TB-30	63	63	45		8		21	G 1/2 B
TB-30	80	80	45		8		21	G 1/2 B
TB-30	100	100	50		8		21	G 1/2 B
TB-30	160	160	50		8		21	G 1/2 B

### Model specification

Model	Connection	Nominal size	Range	Length	Connection type
TB-3	0	f.e.100	f.e.120	f.e. 100	f.e. F2
	bottom = 0	Case ND 63 = 63 Case ND 80 = 80 Case ND 100 = 100 Case ND 160 = 160	after range specification or direct 120 °	sensor length in mm	after data sheet T 190