

All Stainless Steel Bimetal Thermometer Model FI

Nominal size: 3", 4", 5", 6"
 Accuracy: Class 1.0 according to N13190
 1.5% or 1.0% according to JB/T 8803-1998
 Range: -70...30 °C to 0...600 °C
 Dual scale on request

FEATURES

- Rugged stainless steel construction
- Applies to harsh and aggressive environments
- Fast response
- External zero adjustment
- Dry or liquid filled

APPLICATIONS

- Chemical and petrochemical industry
- Machine and apparatus construction
- Food and beverage industry
- Water treatment industry
- Pulp and paper industry



SPECIFICATIONS

General

Dial size	3"(80mm), 4"(100mm), 5"(127mm), 6"(150mm)
Construction	Cylindrical case with crimp ring, hermetically sealed and external adjustment
Measuring principle	Bimetallic coil
Range [°C]	-70...600 °C (Note: Ranges in °F and dual scale, or other specific range on request)
Overtemperature	130% F.S
Accuracy	Class 1.0 according to N13190 1.5% or 1.0% according to JB/T 8803-1998
Stem diameter	¼"(6.4mm), 6mm, 8mm, 10mm
Stem length	60...1500 mm, Minimum length depends on range Length > 1500mm on request

Process connection

Connection	Lower mount, Back mount, Every angle position
Connection type	Fix thread, Swivel thread, Sliding thread, Tri-clamp connection
Connection size	1/2NPT, G1/2, M20×1.5, M27×2 Other connections on request

Material

Connector&Stem	SS 304, or SS 316L
Case	SS 304, or SS 316L
Window	Instrument glass, Safety glass
Dial	Aluminum, black marks, white background
Pointer	Aluminum, black

SPECIFICATIONS

Others

Ingress protection	IP66 (EN 60 529/IEC 529)
Case filling	Silicon oil (Maximum range up to 300 °C (ambient temperature maximum 65 °C)
Storage and transport	-50...70 °C
Ambient temperature	-40...70 °C
Max. pressure at stem	2.5 Mpa
Certificates	Calibration report, Material Other certificates on request
Accessories	Thermowells

Normal range

-50/50 °C	0/160 °C
-40/60 °C	0/200 °C
-30/70 °C	0/250 °C
-20/40 °C	0/300 °C
-20/80 °C	0/400 °C
-20/120 °C	0/500 °C
-20/160 °C	0/600 °C
0/60 °C	
0/100 °C	
0/120 °C	
0/150 °C	
Range in °F or dual scale on request	

All Stainless Steel Bimetal Thermometer

Model FI

Order code		40 =	FI =	L =	60 =	E =	300 =	-40/60 =	C =	SD08
Dial Size										
30	3" (80 mm)				30					
40	4" (100 mm)				40					
50	5" (125 mm)				50					
60	6" (160 mm)				60					
Model										
FI	bimetal type				FI					
Case filling										
	No filling									
L	filled case					L				
Process connection										
60	Fixed 1/2NPT Male				60					
57	Fixed 3/8NPT Male				57					
62	Fixed 3/4NPT Male				62					
105	Fixed 3/4 BSPT Male				105					
101	Fixed 1/2 BSPT Male				101					
65	Fixed M20X1.5 Male				65					
61	Fixed G1/2A Male				61					
63	Fixed G3/4A Male				63					
103	Fixed M27X2 Male				103					
201	Fixed ZG3/8 (3/8BSPT) Male				201					
90	Sliding M20X1.5 Male				90					
71	Sliding G1/2A Male				71					
73	Sliding G3/4A Male				73					
97	Sliding M27X2 Male				97					
99	Sliding 1/2BSPT Male				99					
72	Sliding 3/4NPT Male				72					
111	Sliding 3/8NPT Male				111					
202	Sliding ZG3/8 (3/8BSPT) Male				202					
203	Sliding ZG3/4 (3/4 BSPT) Male				203					
70	Sliding 1/2NPT Male				70					
87	swivel M20x1.5 Male				87					
80	swivel G1/2A Male				80					
88	swivel M20X1.5 Female				88					
81	swivel G1/2A Female				81					
122	swivel G3/4 Female				122					
204	swivel M27X2 Male				204					
205	swivel G3/4 Male				205					
206	swivel M27X2 Female				206					
Mounting direction										
L	Lower					L				
R	back					R				
E	every angle					E				
Stem length										
60-1500 mm						60-1500				
Range										
-50/50		-30/70		-10/50		0/150		0/500		
-50/150		-20/40		0/50		0/160		0/600		
-50/200		-20/80		0/60		0/200				
-50/300		-20/100		0/80		0/250				
-40/60		-20/120		0/100		0/300				
-40/80		-20/160		0/120		0/400				
Unit										
C	°C								C	
F	°F								F	
Option										
SD06	6mm stem									SD06
SD08	8mm stem									SD08
SD09	9mm stem									SD09
SD10	10mm stem									SD10
AN15	JB/T8803 1.5%									AN15
AN10	JB/T8803 1.0%									AN10
NH	Tag plate									NH
CS	Dual range									CS
SG	Safety glass									SG
YW	316L Case									YW
3L	316L connector									3L
CD6	Material Certificate									CD6
C4	Calibration Report									C4