ASHCROFT®
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Stainless steel bimetal thermometer
Model FI

Nominal size: 3"(80mm), 4"(100mm), 5"(127mm), 6"(150mm)
Accuracy：Class 1 according to EN13190
Range： -70...30 °C to 0...600 °C



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

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...30 °C to 0...600 °C (Note: Ranges in °F and dual scale, or other specific range on request)
Overtemperature	130% F.S
Accuracy	Class 1 according to EN13190
Stem diameter	¼"(6.4mm), 6mm, 8mm, 10mm
Stem length	60...1000 mm, Minimum length depends on range Length > 1000mm 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

Advantage

- **Variety of connection types**
- **High IP grade up to IP67**
- **External adjustment**
- **High reliability and durable design**

Process connection	
Connection position	Back mount, Every angle
Connection type	Fix thread, Swivel thread, Sliding thread
Connection size	1/2NPT, G1/2, M20×1.5, M27×2 More connctions see coding table

Others	
Ingress protection	IP66 (EN 60 529/IEC 529)
Case filling	Silicone oil (Maximum range up to 300 °C (ambient temperature maximum 65 °C)
Storage temperature	-50...70 °C
Ambient temperature	-40...70 °C
Certificates	Calibration report, Material certificates Other certificates on request
Accessories	Thermowells
Normal range	See coding table

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Coding Table	40 =	FI =	L =	060 =	E =	300 =	-40/60 =	C =	SD08
Dail 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									
060 | Fixed1/2NPT Male				060					
062 | Fixed 3/4NPT Male				062					
065 | Fixed M20X1.5 Male				065					
061 | Fixed G1/2A Male				061					
103 | Fixed M27X2 Male				103					
090 | Sliding M20X1.5 Male				090					
070 | Sliding 1/2NPT Male				070					
071 | Sliding G1/2A Male				071					
097 | Sliding M27X2 Male				097					
072 | Sliding 3/4NPT Male				072					
111 | Sliding 3/8NPT Male				111					
087 | Swivel M20x1.5 Male				087					
080 | Swivel G1/2A Male				080					
088 | Swivel M20X1.5 Female				088					
081 | Swivel G1/2A Female				081					
204 | Swivel M27X2 Male				204					
206 | Swivel M27X2 Female				206					
Mounting direction									
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	
F | ℉								F	
Option									
SD06 | 6mm stem									SD06
SD08 | 8mm stem									SD08
SD10 | 10mm stem									SD10
AN15 | GB 1.5%									AN15
AN10 | GB 1.0%									AN10
AN | ±1% of span ASME B40.200 (B40.3 Grade A)									AN
NH | Tag plate									NH
SG | Safety glass									SG
YW | 316L Case									YW
3L | 316L connector & stem									3L
CD6 | Material Certificate									CD6
C4 | Calibration Report									C4
ATEX | ATEX Certificate									ATEX

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