

ADJUSTABLE ANGLE BIMETAL THERMOMETER

The Smart Sensor (SSi) Bimetal Thermometers are reliable and accurate temperature sensors requiring no electricity or wiring. Adjustable angle thermometers allow for easy temperature monitoring from any position and they are ideal for local indication. They can be recalibrated with a turn of the calibration screw on the back of the dial. A variety of options are available for your specific process needs.



Fillable



Dials



Accuracy



**Standard Delivery
7-10 Days**

FEATURES and BENEFITS

- Dial can be adjusted to any position for easy viewing
- Made to ASME B40.3 Specifications
- Accuracy $\pm 1\%$ Full Scale. (ASME B40.3)
- All Stainless Steel Construction
- Hermetically Sealed (ASME B40.3)
- Silicone Fillable for Vibration
- Standard External Reset for Easy Calibration
- Five Year Warranty

SPECIFICATIONS

ACCURACY: $\pm 1\%$ Full Scale (ASME B40.3)

DIAL SIZE: 3", 4" or 5"

DIAL MATERIAL: Anodized aluminum with black marks on satin matte finish background; White or Hi-Vis™ background available.

STEM LENGTH: 2" to 80"

STEM DIAMETER: 1/4" (Standard)

HEAD, BEZEL, MOUNTING BUSHING, STEMS: 300 Series SS, 316SS (Optional)

OPERATING CONDITIONS: Head temperature should not exceed 200°F (150°F if silicone filled). Stem should not be exposed to continuous temperatures exceeding 50% overrange or 800°F(550°F if silicone filled).

CASE RATING: IP67, NEMA 6 Rated (Hermetically sealed per ASME B40.3)

LENS: Glass (Standard), Acrylic, Polycarbonate, Tempered Glass, Laminated Safety Glass

IMMERSION: Minimum 2" in liquid, and 4" in gas for most ranges. Certain ranges require up to 4" in liquids & 5" in gas.

MOUNTING CONNECTION: 1/2" NPT (Standard), 1/4" NPT, 3/4" NPT, Plain Hex Bushing, 1/2" BSPT, 1/2" NPT Union, Sanitary Tri-Clamp®

TEMPERATURE SENSING AREA: Last 2" to 4" of the stem

To order indicate a code/value for each component.

TI-SSi - A5 - 025 - A - F23 - SF EXAMPLE MODEL NO.

THERMOMETER					
TI-SSi					
Type	Model	Stem Length	Connection	Range	Option
A3	3" Dial w/ Reset	2.5" (63.5 mm)	A 1/2" NPT	Fahrenheit Ranges F23 -40°F to 160°F	General Options (Choose up to 4) PS = Pointed Stem
A4	4" Dial w/ Reset	4" (101.6 mm)	B 3/4" NPT Adapter	F55 25°F to 125°F*	S3 = 3/8" diameter Stem
A5	5" Dial w/ Reset	6" (152.4 mm)	C 1/2" NPT Adjustable	F43 0°F to 200°F	SF = Silicone Filled
		9" (228.6 mm)	Sanitary	F47 0°F to 250°F	SS = 316 Stainless Stem
		12" (304.8 mm)	D 3/4" Tri-Clamp®	F63 50°F to 300°F	HV = Hi-Vis™ Dial (High Visibility)
		15" (381.0 mm)	E 1.5" Tri-Clamp®	F67 50°F to 500°F	F5 = 5/16" diameter Stem
		18" (457.2 mm)	F 2" Tri-Clamp®	F69 50°F to 550°F	Window Options (Std. is glass)
		24" (609.6 mm)		F81 150°F to 750°F	MM = Min-Max Pointer (Plastic Lens)
		30" (762.0 mm)		F85 200°F to 1000°F	PC = Acrylic Window
		36" (914.4 mm)		Celsius Ranges	PY = Polycarbonate Window
		Note: Intermediate stem lengths available up to 80" (203.2 cm).		C23 -40°C to 70°C	TG = Tempered Glass Window
				C55 0°C to 50°C*	SG = Laminated Safety Glass
				C43 0°C to 100°C	Calibration Cert. Options
				C47 -20°C to 120°C	C1 = One Point Calibration Cert
				C59 0°C to 150°C	C3 = Three Point Calibration Cert
				C67 0°C to 250°C	CC = Certificate of Conformance
				C69 0°C to 300°C	
				C73 0°C to 400°C	<i>For Thermowells see catalog 1667, pages 13-14</i>
				C85 100°C to 500°C	
				Dual Scale Ranges	
				D23 -40°F to 160°F & -40°C to 70°C	
				D55 25°F to 125°F & -5°C to 50°C*	
				D43 0°F to 200°F & -10°C to 90°C	
				D47 0°F to 250°F & -20°C to 120°C	
				D63 50°F to 300°F & 10°C to 150°C	
				D67 50°F to 500°F & 10°C to 260°C	
				D69 50°F to 550°F & 10°C to 290°C	
				D81 150°F to 750°F & 70°C to 400°C	
				D85 200°F to 1000°F & 100°C to 500°C	

