

ADJUSTABLE ANGLE BIMETAL THERMOMETER

The SOR® 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% over-range 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-SOR - A5 - 025 - A - F23 - SF

EXAMPLE MODEL NO.

THERMOMETER					
TI-SOR					
Type	Model	Stem Length	Connection	Range	Option
A3	3" Dial w/ Reset	2.5" (63.5 mm)	A 1/2" NPT	Fahrenheit Ranges	General Options (Choose up to 4)
A4	4" Dial w/ Reset	4" (101.6 mm)	B 3/4" NPT Adapter	F23 -40°F to 160°F	PS = Pointed Stem
A5	5" Dial w/ Reset	6" (152.4 mm)	C 1/2" NPT Adjustable	F55 25°F to 125°F*	S3 = 3/8" diameter Stem
		9" (228.6 mm)	Sanitary	F43 0°F to 200°F	SF = Silicone Filled
		12" (304.8 mm)	D 3/4" Tri-Clamp®	F47 0°F to 250°F	SS = 316 Stainless Stem
		15" (381.0 mm)	E 1.5" Tri-Clamp®	F63 50°F to 300°F	HV = Hi-Vis™ Dial (High Visibility)
		18" (457.2 mm)	F 2" Tri-Clamp®	F67 50°F to 500°F	F5 = 5/16" diameter Stem
		24" (609.6 mm)		F69 50°F to 550°F	Window Options (Std. is glass)
		30" (762.0 mm)		F81 150°F to 750°F	MM = Min-Max Pointer (Plastic Lens)
		36" (914.4 mm)		F85 200°F to 1000°F	PC = Acrylic Window
		Note: Intermediate stem lengths available up to 80" (203.2 cm).		Celsius Ranges	PY = Polycarbonate Window
				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	
				C85 100°C to 500°C	

For Thermowells see catalog 1667, pages 13-14

- 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
- *Not available in 2.5" stem.

