

Sanitary Bimetal Thermometer



REOTEMP's Sanitary Bimetal Thermometers are specially designed for direct insertion into sanitary process applications when a standard thermowell is not specified or the process environment is not exposed to pressure. Sanitary Thermometers are ideal for the food, beverage and pharmaceutical industries.



Standard Delivery 3-5 Days
Thermowell Recommended



Made in the USA

FEATURES / BENEFITS

- Made to ASME B40.3 Specifications
- Accuracy $\pm 1\%$ Full Scale. (ASME B40.3)
- All-Stainless Construction
- Hermetically Sealed (ASME B40.3)
- Silicone Fillable for Vibration
- Standard and Custom Stem Lengths
- Standard External Reset
- Tri-Clamp Design for Fast Installation and Removal
- 3A Sanitary Standards
- 3A Conformance Certificate Included
- OEM Logo Dials/Custom Dials
- Five Year Warranty

SPECIFICATIONS

ACCURACY: $\pm 1\%$ Full Scale

DIAL SIZE: 3", 4", or 5"

DIAL MATERIAL: Anodized aluminum with black marks on satin matte finish background; White & HiVis background available.

STEM LENGTH: 2" to 80"

STEM DIAMETER: 1/4" (std); 3/8" (optional)

MATERIALS: Head and Bezel- 304SS (std); Wetted Parts- 316/316L Polished Stainless Steel

WETTED FINISH: Ra 20, Ra 32 max., Ra 20 max. (optional)

LENS: Glass (std), Acrylic, Polycarbonate, Tempered Glass (available)

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.

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

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

PROCESS CONNECTION: Tri-Clamp (std), various sizes

CASE FILL: Silicone (optional)

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

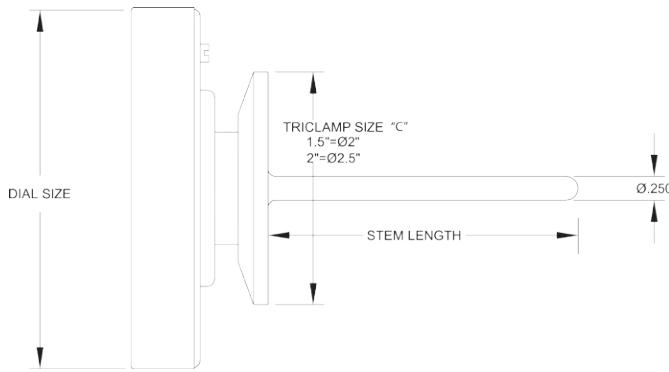
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HOW TO ORDER

XR	025	1	F23	—	SF																																	
<p>Standard Model:</p> <table border="1"> <thead> <tr> <th colspan="3">with External Reset</th> </tr> <tr> <th>Dial Size</th><th>3"</th><th>4"</th><th>5"</th></tr> </thead> <tbody> <tr> <td>Back Connect</td><td>AA</td><td>CC</td><td>BB</td></tr> <tr> <td>Adjustable Angle</td><td>LL</td><td>MM</td><td>JJ</td></tr> <tr> <td>Bottom Connect</td><td>XR</td><td>YY</td><td>VR</td></tr> </tbody> </table> <p>Non-Reset Model:</p> <table border="1"> <thead> <tr> <th colspan="3">without External Reset</th> </tr> <tr> <th>Dial Size</th><th>3"</th><th>4"</th><th>5"</th></tr> </thead> <tbody> <tr> <td>Back Connect</td><td>RR</td><td>CN</td><td>SS</td></tr> <tr> <td>Bottom Connect</td><td>XX</td><td>YN</td><td>VV</td></tr> </tbody> </table>	with External Reset			Dial Size	3"	4"	5"	Back Connect	AA	CC	BB	Adjustable Angle	LL	MM	JJ	Bottom Connect	XR	YY	VR	without External Reset			Dial Size	3"	4"	5"	Back Connect	RR	CN	SS	Bottom Connect	XX	YN	VV	<p>Stem Length:</p> <p>025 = 2.5" 040 = 4" 060 = 6" 090 = 9" 120 = 12" 150 = 15" 180 = 18" 240 = 24" 300 = 30" 360 = 36"</p> <p>Intermediate stem lengths available up to 80".</p>	<p>Sanitary Tri-Clamp:</p> <p>C = 1.5" Tri-Clamp L = 2" Tri-Clamp A = 2.5" Tri-Clamp P = 3" Tri-Clamp M = 3/4" Tri-Clamp</p> <p>Other sanitary flanges available.</p>	<p>Temperature Range:</p> <p>Common Ranges:</p> <p>Fahrenheit Ranges</p> <p>F23 = -40°F to 160°F *F55 = 25°F to 125°F F43 = 0°F to 200°F F47 = 0°F to 250°F F63 = 50°F to 300°F F67 = 50°F to 500°F F69 = 50°F to 550°F F81 = 150°F to 750°F F85 = 200°F to 1000°F</p> <p>Celsius Ranges</p> <p>C23 = -40°C to 70°C *C55 = 0°C to 50°C C43 = 0°C to 100°C C47 = -20°C to 120°C C59 = 0°C to 150°C C67 = 0°C to 250°C C69 = 0°C to 300°C C81 = 50°C to 400°C C85 = 100°C to 500°C</p> <p>Dual °F/°C Ranges</p> <p>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</p> <p>* Not available in 2.5" stem.</p> <p>See inside back cover for complete list of ranges.</p>	<p>Accessories:</p> <p>HV = Hi-Vis Dials SF = Silicone Fill S3 = 3/8" Diameter Stem PC = Acrylic Window PY = Polycarbonate Window TG = Tempered Glass Window MM = Max./Min. Pointer R2 = Ra 20 Max. Wetted Finish C1 = 1 pt. Calibration Cert. C3 = 3 pt. Calibration Cert.</p>
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Sanitary Flange Size	"C" Diameter (inches)
3/4"	.98"
1"	2.0"
1 1/2"	2.0"
2"	2.5"
2 1/2"	3.0"
3"	3.6"



*dimensions in inches