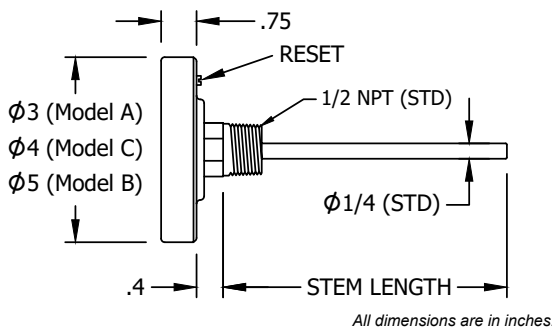
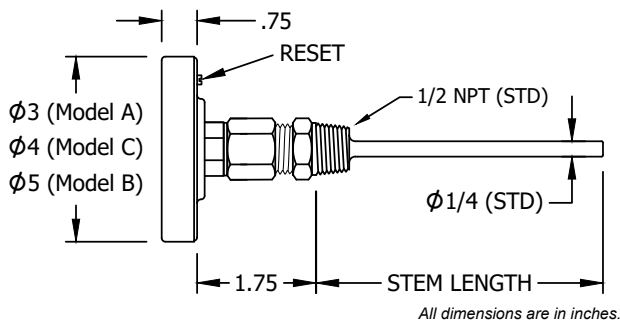


## BACK CONNECT BIMETAL THERMOMETER

REOTEMP's Bimetal Thermometers are reliable and accurate temperature sensors requiring no electricity or wiring. Back Connect Thermometers are ideal for local, eye-level temperature readings in most process applications. 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.



**Standard Dimensions**



**Fixed Union**



Fillable

Dials

Accuracy

Custom Logo

### FEATURES / BENEFITS

- Heavy-Duty Process Grade Design
- Five Year Warranty
- Made in the USA
- Accuracy  $\pm 1\%$  Full Scale (ASME B40.3 Grade A)
- Hermetically Sealed (ASME B40.3)
- Standard External Reset for Calibration
- Silicone Fillable for Vibration

### SPECIFICATIONS

<b>Accuracy</b>	$\pm 1\%$ Full Scale (ASME B40.3)
<b>Dial Size</b>	3", 4" or 5"
<b>Dial Material</b>	Black marks on satin matte aluminum finish, Hi-Vis™, or white dial
<b>Stem Length</b>	2" to 80"
<b>Stem Diameter</b>	1/4" (Standard), 3/8" or 5/16"
<b>Head, Bezel, Mounting Bushing, Stems</b>	300 Series SS, 316SS (Optional)
<b>Operating Conditions</b>	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).
<b>Environmental Protection</b>	IP67, NEMA 6 Rated (Hermetically sealed per ASME B40.3)
<b>Lens</b>	Glass (Standard), Acrylic, Polycarbonate, Laminated Safety Glass or Tempered Glass
<b>Immersion</b>	Minimum 2" in liquid, and 4" in gas for most ranges. Certain ranges require up to 4" in liquids & 5" in gas.
<b>Mounting Connection</b>	1/2" NPT (Standard), 1/4" NPT, 3/4" NPT, Plain Hex Bushing, or 1/2" BSPT
<b>Temperature Sensing Area</b>	Last 2" to 4" of the stem

## BACK CONNECT BIMETAL THERMOMETER



Visit [reotemp.com](http://reotemp.com)

- ✓ Check Stock
- ✓ Get Price
- ✓ Configure Part #
- ✓ Generate a Custom Engineering Drawing

**HOW TO ORDER:** Choose options to build a part number. For example: AA0251F23-SF

AA	025	1	F23	-SF
DIAL SIZE	STEM LENGTH	CONNECTION	TEMPERATURE RANGE	OPTIONS
<p><i>Standard Model</i></p> <p>AA = 3" Dial w/ Reset CC = 4" Dial w/ Reset BB = 5" Dial w/ Reset</p> <p><i>Non-Reset Model</i></p> <p>RR = 3" Dial w/o Reset CN = 4" Dial w/o Reset SS = 5" Dial w/o Reset</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>Note: Intermediate stem lengths available up to 80".</p> <p><i>Millimeter Stem Lengths</i></p> <p>M???? = Use a code beginning in M to specify a mm stem length ex: 100mm = M0100</p>	<p>1 = 1/2" NPT 4 = 1/4" NPT 5 = 3/4" NPT Adapter X = Plain Unthreaded Hex Bushing B = 1/2" BSPT U = 1/2" NPT Union</p>	<p><i>Fahrenheit Ranges</i></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><i>Celsius Ranges</i></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 C73 = 0°C to 400°C C85 = 100°C to 500°C</p> <p><i>Dual Scale Ranges</i></p> <p>D23 = -40°F to 160°F &amp; -40°C to 70°C *D55 = 25°F to 125°F &amp; -5°C to 50°C D43 = 0°F to 200°F &amp; -10°C to 90°C D47 = 0°F to 250°F &amp; -20°C to 120°C D63 = 50°F to 300°F &amp; 10°C to 150°C D67 = 50°F to 500°F &amp; 10°C to 260°C D69 = 50°F to 550°F &amp; 10°C to 290°C D81 = 150°F to 750°F &amp; 70°C to 400°C D85 = 200°F to 1000°F &amp; 100°C to 500°C</p> <p>*Not available in 2.5" stem.</p> <p>For Additional Ranges See Master Range Code Sheet on Page 141</p>	<p><i>General Options</i></p> <p>-3H = 316 SS Head and Bezel -PS = Pointed Stem -S3 = 3/8" diameter Stem -F5 = 5/16" diameter Stem (Not Available with 316SS Stem) -SF = Silicone Filled -SS = 316 Stainless Stem -WD = White Dial -HV = Hi-Vis™ Dial -NL = No Logo Dial -CB = Color Bands -PI = Color Pie -CL = Custom Logo Dial</p> <p><i>Window Options (Standard is Glass)</i></p> <p>-MM = Min-Max Pointer (Plastic Lens) -PC = Acrylic Window -PY = Polycarbonate Window -TG = Tempered Glass Window -SG = Laminated Safety Glass</p> <p><i>Calibration Cert. Options</i></p> <p>-R1 = One Point Calibration Cert (REOTEMP Chooses Points) -R3 = Three Point Calibration Cert (REOTEMP Chooses Points) -C1 = One Point Calibration Cert (Customer Chooses Points) -C3 = Three Point Calibration Cert (Customer Chooses Points)</p> <p><i>Tags and Accessories</i></p> <p>-TS = Tag, Stainless -TP = Tag, Paper -AS = Adapts Bimet to 1-1/4-18 industrial socket -HT = Heat Transfer Compound</p> <p>For Additional Options See Page 139 For Thermowells See Pages 160-166</p>

**Note:** Thermowells should be used whenever the stem or bulb would be exposed to pressure, corrosion, velocity, abrasion or shear forces. Thermowells also make it possible to remove the thermometer without losing pressure or the contents of the process.