

## 3", 4" and 5" Adjustable Angle Industrial Thermometers

- Maximum utility for installation
- Head can be rotated 360°
- Stem positioning over 180°

Heavy Duty design, with versatile case and stem that can be adjusted to almost any angle for easy viewing. Preferred by the process, offshore, power, pharmaceutical and chemical industries.



### ► MODEL CODES:

AA-375R	3" diameter head with calibration feature
AA-475R	4" diameter head with calibration feature
AA-575R	5" diameter head with calibration feature

### ► SPECIFICATIONS:

Stem Lengths:	2½", 4", 6", 9", 12", 15", 18" and 24" (available up to 120").
Stem Diameter:	.250" standard up to 42" stem. .375" standard over 42" stem.
Connection:	½" NPT.
External Reset:	Easy to calibrate by inserting 1/16" Allen wrench into reset opening.
Construction:	304 stainless steel external parts. Welded construction. Corrosion resistant to most chemicals.
Hermetic seal:	Per ASME B40.3 dustproof and leakproof.
Harness:	All stainless steel brackets with screws that loosen to allow 360° rotation of head and 180° adjustment of stem position.
Bellows:	Heavy-duty flexible stainless steel. Hermetically sealed at case and connection. Protects mechanism that transfers temperature change from bimetal coil to pointer.
Dial:	True Anti-Parallax dial, easy-to-read from any angle, minimizes reading errors. Anodized aluminum with large black numbers and graduations.
Lens:	Glass.
Bimetal Coil:	Helix coil is silicone coated on ranges below 500°F for vibration dampening and to maximize heat transfer and response time.
Accuracy:	±1% full span per ASME B40.3 Grade A. Adjustment of the angle between case and stem may affect accuracy up to 0.5% of span (ASME B40.3).
Over Temperature Limits:	Up to 250°F 100%; 250°F to 550°F, 50%; 550°F to 1000°F, continuous use up to 800°F, intermittent use over 800°F.





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➤ **STANDARD RANGES:**

Fahrenheit	°/Div.	Celsius	°/Div.	Dual	
				Fahrenheit	Celsius
-100/100°	2°	-75/175°	5°	-100/100	-75/40
-50/120°	2°	-70/70°	1°	-40/160	-40/70
-40/160°	2°	-50/100°	1°	-0/140	-18/60
0/140°	1°	-50/25°	1°	0/180	-18/82
0/180°	2°	-50/50°	1°	0/220	-10/100
0/200°	2°	-40/70°	1°	0/250	-20/120
0/220°	2°	-20/120°	1°	20/240	-10/110
0/250°	2°	-10/110°	1°	25/125	-5/50
0/300°	5°	0/50°	1/2°	50/300	10/150
0/500°	10°	0/60°	1°	50/400	0/200
20/240°	2°	0/80°	1/2°	50/500	10/260
25/125°	1°	0/100°	1°	150/750	50/400
50/250°	2°	0/150°	1°	* 200/1000	* 100/550
50/300°	2°	0/200°	2°		
50/400°	5°	0/250°	2°		
50/500°	5°	0/300°	5°		
50/550°	5°	0/400°	5°		
100/800°	10°	0/450°	5°		
150/750°	10°	100/400°	5°		
* 200/1000°	10°	* 100/550°	5°		

(Additional Ranges Available – Consult factory)

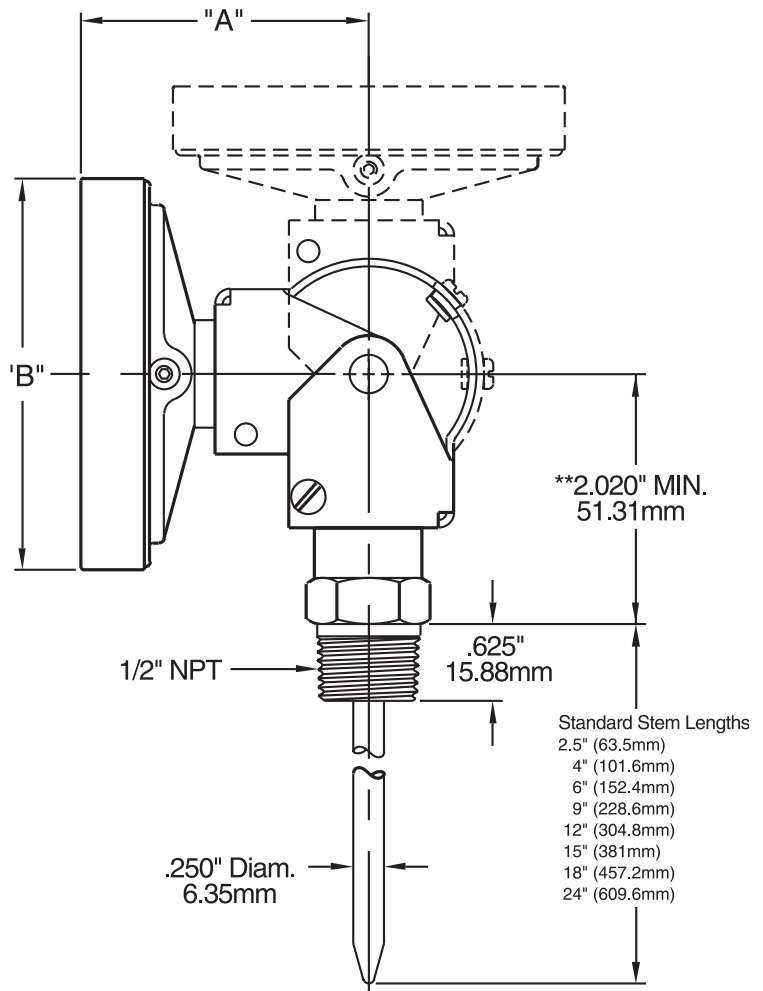
\* Thermometers with temperature ranges 200/1000°F and 100/550°C are NOT RECOMMENDED FOR CONTINUOUS USE ABOVE 800°F/425°C (FOR INTERMITTENT USE ONLY).

➤ **OPTIONS:**

- Union connection or other connection types and sizes.
- Silicone filled.
- Other lenses are acrylic, polycarbonate, shatterproof glass or tempered glass.
- Other stem diameters .236" (6mm), .315" (8mm), .375" (9.52mm).
- 316SS wetted parts.
- Other configuration combinations available upon request.

Estimated Shipping Weights		
MODEL	DRY	SILICONE FILLED
AA-375R	. 1lb. . . . .	1lb. 3oz.
AA-475R	. 1lb. 8oz. . . . .	1lb. 14oz.
AA-575R	. 1lb. 12oz. . . . .	2lb. 6oz.

➤ **AA-375R, AA-475R AND AA-575R**



MODEL	"A"	"B"
AA-375R	2.430" (61.72mm)	3.187" (80.95mm)
AA-475R	2.430" (61.72mm)	4.115" (104.50mm)
AA-575R, UT575	2.660" (67.56mm)	5.040" (128.02mm)

\*\* Contact factory if specific dimension is required for OEM applications.

➤ **FOR HOW TO ORDER, SEE PAGE 6**

➤ **IMPORTANT NOTES:**

- 1) Thermowells are recommended for pressure, corrosive fluid or high velocity applications.
- 2) ASME B40.3— Bimetal thermometers manufactured by Tel-Tru and offered in this brochure are designed to meet or exceed this Standard issued by the American Society of Mechanical Engineers.