



TEMPERATURE PRODUCTS

Model ADJ 3" and 5" Adjustable Angle Industrial Bimetallic Thermometers

DESCRIPTION

U.S. Gauge offers 3" and 5" heavy duty, industrial bimetallic thermometers with a versatile case and stem that can be adjusted to almost any angle for easy viewing.

The head can be rotated 360° and the stem positioning moves over 180°. These thermometers are rugged and preferred by the process, offshore, power, pharmaceutical, and chemical industries.

The union connection is 1/2-14 NPT, but others are available. The thermometers may be silicone filled for additional vibration dampening (5" only) . The standard lens material is glass. Standard stem diameter, up to 12" long, is .25". Other available stem sizes are .24" (6mm), .32" (8mm), and .375" (9.52mm).



**Model
ADJ**

Dimensions			
Model	Unit	A	B
ADJ-3	inches	2.300	3.134
	mm	58.42	79.60
ADJ-5	inches	2.631	5.001
	mm	66.83	127.03

SPECIFICATIONS

STEM DIAMETER: .25" standard up to 12" stem

CONNECTION: 1/2-14 NPT

EXTERNAL RESET: Standard

CONSTRUCTION: 304 stainless steel external parts and welded construction; corrosion resistant to most chemicals

HERMETIC SEAL: Per ASME B40.3, dustproof and leakproof

HARNES: 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

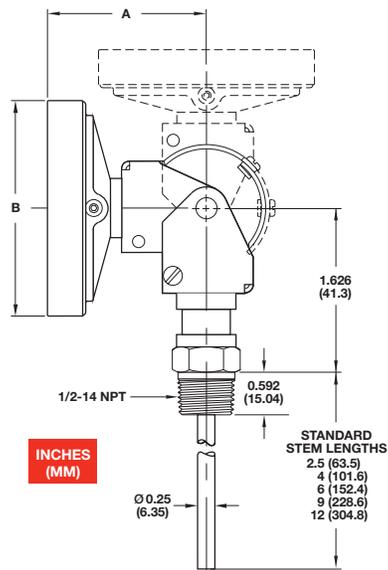
DIAL: Cupped anti-parallax dial, easy to read from any angle, minimizes reading errors; anodized aluminum with large black numbers and graduations. Outer scale in Fahrenheit; inner scale Celsius.

LENS: Glass

BIMETALLIC 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° to 550°F, 50%; 550° to 1000°F, continuous use up to 800°F, intermittent use over 800°F





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Spec Number Selection Chart

Model ADJ-3		3" Dial Size				
Connection	Temperature Range*	2-1/2" Stem Length	4" Stem Length	6" Stem Length	9" Stem Length	12" Stem Length
		Spec No.	Spec No.	Spec No.	Spec No.	Spec No.
1/2-14 NPT	0° to 200° FC	415002	415008	415014	415020	415026
	0° to 250° FC	415003	415009	415015	415021	415027
	50° to 300° FC	415004	415010	415016	415022	415028
	50° to 400° FC	415005	415011	415017	415023	415029
	50° to 550° FC	415006	415012	415018	415024	415030
	200° to 1000° FC	415007	415013	415019	415025	415031
Model ADJ-5		5" Dial Size				
Connection	Temperature Range*	2-1/2" Stem Length	4" Stem Length	6" Stem Length	9" Stem Length	12" Stem Length
		Spec No.	Spec No.	Spec No.	Spec No.	Spec No.
1/2-14 NPT	25° to 125° FC	–	415038	415045	–	–
	0° to 200° FC	415032	415039	415046	415052	415058
	0° to 250° FC	415033	415040	415047	415053	415059
	50° to 300° FC	415034	415041	415048	415054	415060
	50° to 400° FC	415035	415042	415049	415055	415061
	50° to 550° FC	415036	415043	415050	415056	415062
	200° to 1000° FC	415037	415044	415051	415057	415063

* All dials are dual scale, Fahrenheit outer scale, Celsius inner scale