

Temperature Products

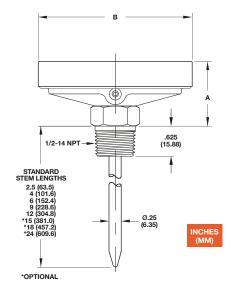
New!MADE IN USA

Model BAC 3" and 5" Back Connected Industrial Bimetallic Thermometers

DESCRIPTION

U.S. Gauge offers
3" and 5" heavy
duty, industrial
bimetallic
thermometers with a
90° back angle, rear
threaded union connection
design. These thermometers,
with 316 stainless steel wetted
parts, are rugged and commonly
used in industrial, pulp and
paper, food and beverage
processing, HVAC, and OEM
applications.

The standard connection is 1/2-14 NPT, but others are available. The thermometers may be silicone filled for additional vibration dampening. A variety of lens materials are available including acrylic, polycarbonate, shatterproof and tempered glass. Standard stem diameter, up to 42" long, is .25". Other available stem sizes are .24" (6 mm), .32" (8 mm), and .375" (9.52 mm). Some temperature ranges are NSF® certified.



SPECIFICATIONS

STEM DIAMETER: .25" standard up to 42" stem; .375" standard over 42" stem

CONNECTION: 1/2-14 NPT

EXTERNAL RESET: Easy to calibrate by inserting 1/16" hex

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

DIAL: True anti-parallax dial, easy to read from any angle, minimizes reading errors; anodized aluminum with large black numbers and graduations

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, when using maximum or minimum temperature indicator, accurate to within 1-1/2% full span

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



	MODEL	UNIT	Α	В
Ī	BAC-3	inches mm	1.375 34.93	3.19 80.95
	BAC-5	inches mm	1.72 43.63	5.04 128.02

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ISO 9001 REGISTERED MANUFACTURER

For Gauges/Thermometers: U.S., GAUGE 820 Pennsylvania Blvd. Feasterville, PA 19053 U.S.A. Tel: (215) 355-6900 Fax: (215) 354-1802 www.ametekuso.com

Fax: (215) 354-1802 www.ametekusg.com Customer Service Tel: (863) 534-1504 Customer Service Fax: (863) 533-7465 For Electronic Products:
PMT PRODUCTS
820 Pennsylvania Blvd.
Feasterville, PA 19053 U.S.A.
Tel: (215) 355-6900
Fax: (215) 354-1800
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For Diaphragm Seals: M&G PRODUCTS 8600 Somerset Drive Largo, FL 33773 U.S.A. Tel: (727) 536-6882 www.ametek.com/fci



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SPEC NUMBER SELECTION CHART

Model B	AC-3		3" Dial Size			
	Temperature 1 Range*	2-1/2" Stem Length Spec No.	4" Stem Length Spec No.	6" Stem Length Spec No.	9" Stem Length Spec No.	12" Stem Length Spec No.
Connection						
1/2-14 NPT	25 to 125 FC	415086	415093	415100	415107	415114
	0 to 200 FC	415087	415094	415101	415108	415115
	0 to 250 FC	415088	415095	415102	415109	415116
	50 to 300 FC	415089	415096	415103	415110	415117
	50 to 400 FC	415090	415097	415104	415111	415118
	50 to 550 FC	415091	415098	415105	415112	415119
	200 to 1000 FC	415092	415099	415106	415113	415120

Model BAC-5 5" Dial Size

	Temperature Range*	2-1/2" Stem Length Spec No.	4" Stem Length Spec No.	6" Stem Length Spec No.	9" Stem Length Spec No.	12" Stem Length Spec No.
Connection						
1/2-14 NPT	0 to 200 FC	415121	415127	415133	415139	415145
	0 to 250 FC	415122	415128	415134	415140	415146
	50 to 300 FC	415123	415129	415135	415141	415147
	50 to 400 FC	415124	415130	415136	415142	415148
	50 to 550 FC	415125	415131	415137	415143	415149
	200 to 1000 FC	415126	415132	415138	415144	415150

^{*} All dials are dual scale, Fahrenheit outer scale, Celsius inner scale

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