



BI-METAL THERMOMETERS











Chicago Stainless Equipment has been manufacturing

equipment for the dairy, food

industries for well over half a century. We incorporated

over 40 years experience in

manufacturing the world's

Thermometer was developed.

The Bi-Metal Thermometer is

maintenance. Our dedication

to quality is not only evident

offer immediate availability on

all products and respond quickly

with quality service at reasonable prices.We feel so strongly about

the quality of our products and

service that we guarantee

complete satisfaction.

in our products, but also in our customer service.We

finest sanitary pressure gauges when the Bi-Metal

years with little or no

processing and pharmaceutical

BI-METAL Thermometers

FEATURES

Standard 304 Stainless Steel Case and Bezel on all external parts increases corrosion resistance.

Super Sensitive Bimetallic Helix Coil is fabricated to tight tolerances. Heat treated for stress relief and silicone coated to minimize pointer vibration and maximize heat transfer and response time

Bi-Metal Bushing is pressed into groove on stem to center the coil in stem. 302 stainless steel stem wire through center of bushing connects bimetal element to pointer to minimize coil interference with tube wall.

C.I.P. - can be cleaned in place for convenience and eliminates the possibility of damage from mishandling.

Temperature Ranges from -100°F (-75°C) to 1000°F (550°C).

Hermetic Seal on Case/Bezel assembly is a precision interference fit. Silicone gasket provides dustproof and leakproof seal

External Reset Calibration adjusts using an Allen wrench to discourage tampering.

Silicone Fill is available on all gauges for additional dampening of extreme vibration, or to assure consistent performance in low process temperature/high environmental humidity

140°F (60°C) Maximum process temperature Please consult factory when ordering for higher temperature applications.

Quick Availability, most orders ship in about 1 week.

Experienced Engineers are available to answers questions and solve difficult application problems.

Unparalleled Customer Service where the customer is always right and we are not happy until the customer is satisfied.



SPECIFICATIONS						
Accuracy	+/-1% of Full Scale					
Over Range Capa	30%					
Wetted Surfaces	Sanitary - 316L Stainless Stee					
	Industrial - 304 Stainless Stee					
Case Material		304 Stainless Steel				
Dial Sizes	3", 4", 5" (7	76, 102, 127mm) Dia.				
Standard Lens		Glass				
Optional Lens	Various Shat	tter-Resistant Materials				
Temp. Limits	-100°F/1	000°F (-75°C/550°C)				
Optional Fill		Silicone				
Recalibration Feature		Standard				
Dry Shipping Wt	11 oz, 16 oz, 20 oz					
Filled Shipping V	14 oz, 22 oz, 30 oz					

AVAILABLE RANGES

20 different temperature ranges are available in both Fahrenheit and Celsius. Refer to back page for specific information.

AVAILABLE FITTINGS

¹/₂-18 NPT ³/₄" Tri-Clamp^{*}, 1¹/₂" Tri-Clamp^{*}, 2" Tri-Clamp^{*}, 2¹/₂" Tri-Clamp^{*}, 3" Tri-Clamp^{*}, 4" Tri-Clamp^{*}.

AVAILABLE MOUNTINGS

Bottom, Back and Adjustable mount.

Tri-Clamp is a registered trademark of Tri-Clover, Inc.





Available Tri-Clamp* Fittings (E): 3/4" Tri-Clamp = .98" (25mm), 1-1/2" Tri-Clamp = 1.98" (50mm), 2" Tri-Clamp = 2.52" (64mm), 2-1/2" Tri-Clamp = 3.05" (77mm), 3" Tri-Clamp = 3.56" (91mm), 4" Tri-Clamp = 4.68" (119mm) Available Stem Lengths (U): 1.62" (41mm), 2.50" (64mm), 4.50" (114mm), 7.50" (190mm), 10.50" (267mm), 13.50" (343mm), 16.50" (419mm), 22.50" (572mm)



Available Stem Lengths (U): 2.50" (64mm), 4.00" (102mm), 6.00" (152mm), 9.00" (229mm), 12.00" (305mm), 15.00" (381mm), 18.00" (457mm), 24.00" (610mm)



EXAMP

EXAMP 4B-T87

EXAMP 5B-T61

BI-METAL THERMOMETERS ORDERING INFORMATION

MODEL NUMBER CONSISTS OF

	MODEL NUMBER CONSISTS OF:										
are typical examples of s with their descriptions.	SERIES - TEMP. RAN 3B T6	<mark>IGE - FITTING - MO</mark> 7 2U	U <mark>NT - PRC</mark> BK	D <mark>BE LENGTH</mark> - F L4.5	PROBE DIA 3/8	A LENS A					
PLE 1: 67 - 2U - BK - L4.5 - 3/8 - A es a 3" (76mm) Bi-metal meter, 0 to 250°F, 2" Tri-Clamp wack mounted, 4½" Probe Length 175" probe diameter, standard 185. PLE 2: 7 - 3U - BT - L22.5 - 3/8 - C es a 4" (102mm) Bi-metal meter, -75° to 175°C, amp fitting, bottom mounted, obe length with a .375" probe r, safefty glass lens. PLE 3: -1/2NPT - AA - L7.5 - 3/8 - E es a 5" (127mm) Bi-metal meter, 50 to 250°F, ½" NPT djustable angle, 7½" probe vith a .375" probe diameter, ponate lens.	SERIES 3B 3" Dial 4B 4" Dial 5B 5" Dial	/).	FITTING ³ /4U ¹¹ /2U ^{2U} ²¹ /2U ^{3U} ^{4U} ¹ /2NPT [*] Used on [*] Used on ^{MOUNT} BT BK AA PROBE I L2.5 2 L4 4 L6 6 L9 9 L12 1 L15 1 L18 1 L24 22 L30 3 L36 3	³ / ₄ " Tri-Clamp (3 1 ¹ / ₂ " Tri-Clamp (3 2 ¹ / ₂ " Tri-Clamp (3 2 ¹ / ₂ " Tri-Clamp (3 4" Tri-Clamp (3 1 [/] ₂ " NPT (3165 both 1 [/] ₂ " and 3 [/] ₄ " both 1 ¹ and 1 ¹ / ₂ " 1	(3165S)** 16SS) (316SS) 16SS) 16SS) 5S) lines. lines. t	PROBE I 15 /6 4 1/4 5 /16 3 /8 LENS A B C D E 1.625" (Tri- 2.5" (Tri-Cl 2.75" (Tri- 4.5" (Tri- 1.5." (Tri-	lamp) -Clamp) Clamp) Clamp) -Clamp) Clamp) -Clamp)	amp			

DISTRIBUTED BY:

Visit our website or request a catalog to see our complete line of high quality precision products including: Sani-Flow Pressure Gauges, Homogenizer Pressure Gauges, Industrial Stainless Steel Pressure Gauges, Digital Thermometers, Pharma-Flow Pressure Gauges, Chem-Flow Pressure Gauges, Electronic Sensors Cable,



Sanitary Temperature Sensors & Thermowells.

Quality Ppducts Since 1937 www.chicagostainlesscom

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