

CI Series Bimetal Thermometers



FEATURES

- 1% full span accuracy ASME B40.200 (ASME B40.3 Grade A)
- Maximum ambient temp. is 200°F (94°C)
- Hermetically sealed case to prevent entry of moisture, interior corrosion and coil freeze-up.
- Tamper resistant.
- Maxivison[®] dial allows readability from any angle without parallax error.
- Silicone coil dampening (up to 400°F) provides vibration dampening and improves response time.
- All-welded stainless steel construction
- Heavy-Duty glass lens
- Protection NEMA 4X/IP66
- Five year limited warranty



SPECIFICATIONS

	Ashcroft [®]					
	Series:	CI				
	Dial Sizes:	2,″3,″5″				
	Stem Length:	2 ¹ /2 ^{"-} 24 ^{" (1)}				
	Case & Stem:	304 stainless steel, hermetically				
		sealed				
	Stem Dia:	.250″				
	Window:	Heavy-duty glass, plastic or shatter-				
		proof glass optional				
	Dial:	Maxivision [®] , black figures on white				
		background				
	Pointer:	Black				
	Connection:	Plain, pointed plain, ¼ NPT, ½ NPT				
	Connection	Lauran Daan				
	Location:	Lower, Rear				
	Ranges:	-80/120°F-200/1000°F -50/50°C-100/500°C				
		-30/30 C-100/300 C				
	Options:	Code Description				
		C4 Individual calibration cert.				
		XCS Dual scale ⁽²⁾				
		XDM Dial marking XNH Stainless steel tag				
		XNN Paper tag				
		XPD Plastic window				
		XSG Shatter proof glass				
		X3B %" stem dia. with ½ NPT				
		X02 ¼ NPT when ½ NPT is standard ⁽³⁾				
		XS1 Silicone free				
		er length available, consult factory				
(0) Dual and a sideble with 0" and 5" and a side						

(1)(2) Dual scale avilable with 3" and 5" case only
(3) Only available on rear connection

Thermowells must be used on all pressure or velocity applications, to protect the stem of thermometer from corrosion and physical damage, and to facilitate removal of the thermometer without disturbing the process. Maximum ambient temperature is 200°F (95°C).

HOW TO ORDER 30 CI 60 R 040 0/250°F XNH Dial Size: 3" Code 30_ Case Style: CI _ Stem Connection: 1/2 NPT Code 60 ____ Stem Location: Rear Code R Stem Length: 4" Code 040 Range: Code 0/250°F_ Options: Stainless steel tag

All specifications are subject to change without notice. All sales subject to standard terms and conditions. © 2014 Ashcroft Inc. Rev. 06/15

Ashcroft Inc., 250 East Main Street, Stratford, CT 06614 USA Tel: 203-378-8281 • Fax: 203-385-0408 email: info@ashcroft.com • www.ashcroft.com



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CI	CI Series selection table													
Case	Size			Stem		Stem Lengths Temperature Range Available								
Dial	Code	Style Code	Conn.	Code	Location	Code	"S" Length (inches)	Code	°F* Fahrenheit	°∕ Div.	Fig. Inter.	°C Celsius	°∕ Div.	Fig. Inter.
			Plain	40					-80/120	2	20	-50/50	1	10
2″	20		Pointed	50	Rear	R			-20/120††			-20/120	2	20
			1/4 NPT	60			2½	025	30/130††	1	10	0/50††	1	5
3″	30	CI	% NPT	60	Rear	R	4 6	040 060	0/200	2	20	0/100	1	10
5	50	01	72 INF 1	00	Lower	L	9 12	090 120	0/250 50/300	2	50	10/150 0/200	2	20
5″	50		½ NPT	60	Rear	R	15 18 24	150 180 240	50/400 50/550 200/700†	5	50	0/300†† 50/450**† 100/500**†	5	50
	50		/2 INF I	00	Lower	L	24	240	100/800† 200/1000**†	10	100	100/500		

CI Dimensions

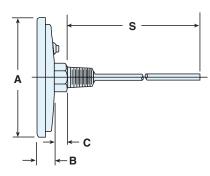
Case	Dial	Connection									Weight in ounces ⁽³⁾
					~		-	~	NET		0.01/1
Series	Size	Location	A	В	С	D	E	S	NPT	Hex	S – 2½″
CI	2″	Rear	23/32	3⁄8	3%	-	-	_(2)	-	11/16	4½
		(Plain)	(53)	(10)	(8)						
CI	2″	Rear (Plain,	23/32	3%	5/16	-	-	_(2)	-	11/16	4½
		pointed stem)	(53)	(10)	(8)						
CI	2″	Rear	2 ³ / ₃₂	3%	3%	-	-	_(2)	1/4	11/16	4½
		(Threaded)	(53)	(10)	(8)						
CI	3″	Rear	35/32	¹⁹ /32	3%	-	-	_(2)	1/2	7/8	7
			(80)	(15)	(8)						
CI	3″	Lower	35/32	1 ²⁷ / ₃₂	-	2%	1/4	_(2)	1/2	7/8	11
			(80)	(47)		(67)	(6)				
CI	5″	Rear	5 ¹ / ₃₂	²³ / ₃₂	3%	-	-	_(2)	1/2	7/8	16
			(128)	(18)	(8)						
CI	5″	Lower	51/32	1 ¹⁵ /16	-	3%	1/4	_(2)	1/2	7/8	26
			(128)	(49)		(92)	(6)				

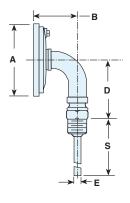
NOTES:

1. Figures in parenthesis () are in millimeters. All other dimensions are in inches.

Standard S" dimensional (1) and minimized and an analysis and advantages of a standard stem diameter is ½ inch.
 Add 1 oz. for every 2 inches of stem length.

DIMENSIONS





Dual scales are available in 3" and 5"

dial	sizes	in	the	following	ranges:

dial sizes in the following ranges:					
Inner		Outer			
-80/120°F	and	–60/50°C			
-40/120°F	and	–40/50°C			
-40/160°F	and	–40/70°C			
-20/120°F	and	-30/50°C††			
0/200°F	and	–20/90°C			
0/250°F	and	–20/120°C			
30/130°F	and	0/55°C††			
50/300°F	and	10/150°C			
50/400°F	and	10/200°C			
50/550°F	and	10/290°C			
100/800°F	and	50/400°C†			
200/700°F	and	100/370°C†			
200/1000°F	and	100/550°C**†			

Overtemperature limits					
Top of Range °F	Maximum				
	Over Temperatu $\Omega\Omega$				
up to 250	100% of span				
251/550	50% of span				
551/1000	800°F **				

*Dual scale ranges available for all standard °F ranges (3" and 5"

 **Satisfactory for continuous service up to 800°F or 425°C. Can be used for intermittent service from 800 to 1000°F, or 425 to 500°C. Use Ashcroft Duratemp® thermometers for ranges above and below those listed above.

†Minimum stem length for these ranges is 4". ††Minimum stem length for lower connection is 4".

BULLETIN BM-CI