

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.
- Maxivision® 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:	2½"-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 Location:	Lower, Rear
Ranges:	-80/120°F-200/1000°F -50/50°C-100/500°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 ⅜" stem dia. with ½ NPT
	X02 ¼ NPT when ½ NPT is standard ⁽³⁾
	XS1 Silicone free

(1) Special or longer length available, consult factory
 (2) Dual scale available 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).

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30 CI 60 R 040 0/250°F XNH

Dial Size: 3" Code 30 _____

Case Style: CI _____

Stem Connection: ½ NPT Code 60 _____

Stem Location: Rear Code R _____

Stem Length: 4" Code 040 _____

Range: Code 0/250°F _____

Options: Stainless steel tag _____

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CI Series selection table																						
Case	Size	Style Code	Stem			Stem Lengths Available "S"			Temperature Range													
			Conn.	Code	Location	Code	Length (inches)	Code	°F* Fahrenheit	% Div.	Fig. Inter.	°C Celsius	% Div.	Fig. Inter.								
2"	20	CI	Plain	40	Rear	R	2½	025	-80/120	2	20	-50/50	1	10								
			Pointed	50					-20/120††			-20/120			2	20						
			¼ NPT	60					30/130††			1			10	0/50††	1	5				
3"	30	CI	½ NPT	60	Rear	R	4	040	0/200	2	20	0/100	1	10								
									Lower			L			6	060	0/250	50	10/150	2	20	
																	12		120			50/300
			5"	50	½ NPT	60	Rear	R	15	150	50/400	5	50	0/300††	5	50						
											Lower			L			18	180	50/550	50/450**††	5	50
																			24	240		

CI Series dual scale ranges

Dual scales are available in 3" and 5" 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**†

CI Dimensions

Case Series	Dial Size	Connection Location	A	B	C	D	E	S	NPT	Hex	Weight in ounces ⁽³⁾
											S - 2½"
CI	2"	Rear (Plain)	2½ (53)	¾ (10)	¾ (8)	-	-	-(2)	-	1½/16	4½
CI	2"	Rear (Plain, pointed stem)	2½ (53)	¾ (10)	¾ (8)	-	-	-(2)	-	1½/16	4½
CI	2"	Rear (Threaded)	2½ (53)	¾ (10)	¾ (8)	-	-	-(2)	¼	1½/16	4½
CI	3"	Rear	3½ (80)	1½ (15)	¾ (8)	-	-	-(2)	½	7/8	7
CI	3"	Lower	3½ (80)	17/32 (47)	-	2½ (67)	¼ (6)	-(2)	½	7/8	11
CI	5"	Rear	5½ (128)	2½ (18)	¾ (8)	-	-	-(2)	½	7/8	16
CI	5"	Lower	5½ (128)	11/16 (49)	-	3½ (92)	¼ (6)	-(2)	½	7/8	26

NOTES:

- Figures in parenthesis () are in millimeters. All other dimensions are in inches.
- Standard "S" dimensions are 2½, 4, 6, 9, 12, 15, 18 and 24 inches. Standard stem diameter is ¼ inch.
- Add 1 oz. for every 2 inches of stem length.

DIMENSIONS

