

- **Hermetically sealed**
- **Tamper resistant**
- **Maxivision® dial**
- **$\pm 1\%$  full-span accuracy (ASME B40.3 Grade A)**
- **All-welded stainless steel construction**
- **Silicone on the coil provides vibration dampening and superior time response**
- **Heavy-duty glass standard; plastic or shatterproof glass optional**
- **Limited five-year warranty**

This series is tamper proof, hermetically sealed and has the Maxivision® dial. The connection locations are rear and lower. The CI series of Ashcroft® industrial bimetal thermometers was designed for applications where external adjustment or pointer reset are not desired.

The hermetic seal prevents entry of moisture into the casing, thus minimizing the possibility of fogging inside the case. The Maxivision dial provides accurate temperature readings.



### SELECTION TABLE

Case Size		Style Code	Stem				Stem Lengths Available		Temperature Range									
Dial	Code		Connection	Code	Location	Code	"S" 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 Plain	50	Rear	R			-20/120††			-20/120			2	20		
			¼ NPT	60	Rear	R			30/130††			0/50††			1	10	5	
3"	30		½ NPT	60	Rear	R	6	060	0/200	2	20	0/100	1	10				
					Lower	L	9	090	0/250			10/150			2	20		
				5"	50	60	Rear	R	12			120					50/300	5
15	150								50/400			0/300						
18	180								50/550			50/450**†			5	50		
Lower	L			24	240	200/700†	100/500**†	10	100									
			100/800†															
			200/1000**†															

\*Dual scale ranges available for all standard °F ranges (3" and 5" case only)

\*\*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".

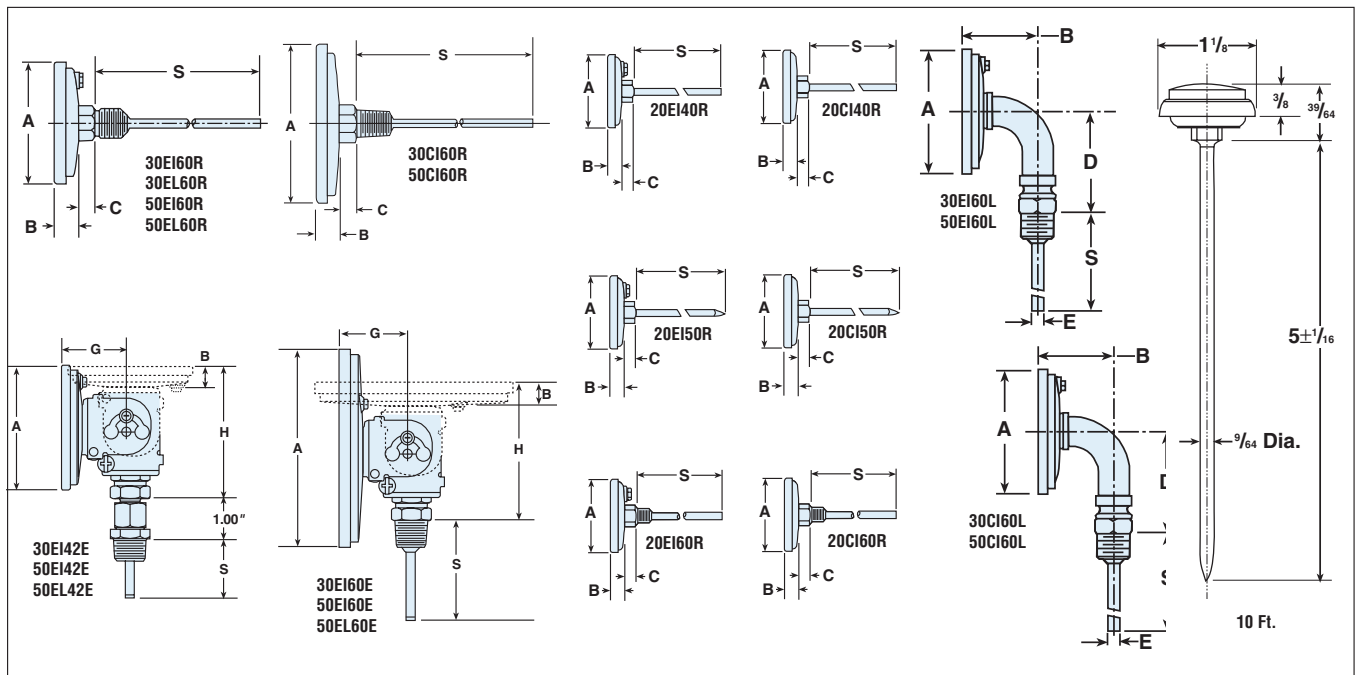
Thermowells must be used on all pressure or velocity applications, to protect the stem of thermometer from corrosion and physical damage, and to facilitate removal of the thermometer without disturbing the process. Maximum ambient temperature is 200°F (95°C).

### Overtemperature Limits

Top of Range °F	Maximum Overtemperature
up to 250	100% of span
250/550	50% of span
550/1000	800°F **

### TO ORDER THIS CI SERIES BIMETAL THERMOMETER:

- Select: 30 CI 60 R 040 0/250°F XNH
1. Case Size: 3" Code 30
  2. Style: Code CI
  3. Stem Conn: ½ NPT Code 60
  4. Stem Location: Rear Code R
  5. Stem Length: 4" Code 040
  6. Range: Code 0/250°F
  7. Options: Stainless Steel Tag (see Page 198)



Case Series	Dial Size	Connection Location	A	B	C	D	E	G	H	S	NPT	Hex	Weight in ounces <sup>3</sup> S - 2 1/2" Case Series		
													CI	EI	EL
CI, EI	2"	Rear (Plain)	2 <sup>3</sup> / <sub>32</sub> (53)	3/8 (10)	5/16 (8)	-	-	-	-	- <sup>2</sup>	-	1 1/16	4 1/2	4 1/2	-
CI, EI	2"	Rear (Plain, pointed stem)	2 <sup>3</sup> / <sub>32</sub> (53)	3/8 (10)	5/16 (8)	-	-	-	-	- <sup>2</sup>	-	1 1/16	4 1/2	4 1/2	-
CI, EI	2"	Rear (Threaded)	2 <sup>3</sup> / <sub>32</sub> (53)	3/8 (10)	5/16 (8)	-	-	-	-	- <sup>2</sup>	1/4	1 1/16	4 1/2	4 1/2	-
CI, EI, EL	3"	Rear	3 <sup>5</sup> / <sub>32</sub> (80)	1 <sup>9</sup> / <sub>32</sub> (15)	5/16 (8)	-	-	-	-	- <sup>2</sup>	1/2	7/8	7	7	8
CI, EI	3"	Lower	3 <sup>5</sup> / <sub>32</sub> (80)	1 <sup>27</sup> / <sub>32</sub> (47)	-	2 <sup>5</sup> / <sub>8</sub> (67)	1/4 (6)	-	-	- <sup>2</sup>	1/2	7/8	11	11	-
EI	3"	Everyangle	3 <sup>5</sup> / <sub>32</sub> (80)	1 <sup>9</sup> / <sub>32</sub> (15)	-	-	-	1 <sup>21</sup> / <sub>32</sub> (42)	3 <sup>7</sup> / <sub>16</sub> (87)	- <sup>2</sup>	1/2	7/8	-	10	-
CI, EI, EL	5"	Rear	5 <sup>1</sup> / <sub>32</sub> (128)	2 <sup>3</sup> / <sub>32</sub> (18)	5/16 (8)	-	-	-	-	- <sup>2</sup>	1/2	7/8	15	16	18
CI, EI	5"	Lower	5 <sup>1</sup> / <sub>32</sub> (128)	1 <sup>15</sup> / <sub>16</sub> (49)	-	3 <sup>5</sup> / <sub>8</sub> (92)	1/4 (6)	-	-	- <sup>2</sup>	1/2	7/8	24	26	-
EI, EL	5"	Everyangle	5 <sup>1</sup> / <sub>16</sub> (128)	2 <sup>3</sup> / <sub>32</sub> (18)	-	-	-	1 <sup>7</sup> / <sub>8</sub> (48)	3 <sup>9</sup> / <sub>16</sub> (91)	- <sup>2</sup>	1/2	7/8	-	25	28

## NOTES

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