

## EL Series Bimetal Thermometers



### FEATURES

- *Silicone liquid fill*
- *1% full span accuracy (ASME B40.3 Grade A)*
- *Maximum ambient temp. is 150°F (65°C)*
- *Hermetically sealed case to prevent entry of moisture, interior corrosion and coil freeze-up.*
- *External adjustment permits zero reset from outside the case.*
- *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*
- *Durable polycarbonate window*
- *Protection IP 65*
- *Five year limited warranty*



### SPECIFICATIONS

<b>Ashcroft®</b>																			
<b>Series:</b>	EL																		
<b>Dial Sizes:</b>	3", 5"																		
<b>Stem Length:</b>	2½"–24" <sup>(1)</sup>																		
<b>Case &amp; Stem:</b>	304 stainless steel, hermetically sealed																		
<b>Stem Dia:</b>	.250"																		
<b>Window:</b>	Durable polycarbonate window																		
<b>Dial:</b>	Maxivision®, black figures on white background																		
<b>Pointer:</b>	Black																		
<b>Connection:</b>	½ NPT and ½ NPT union																		
<b>Connection Location:</b>	Everyangle <sup>(2)</sup> , Rear																		
<b>Ranges:</b>	-40/160°F — 50/550°F -20/120°C — 0/300°C																		
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(1) Special or longer length available, consult factory

(2) Everyangle NA on 3" dial

(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 150°F (65°C).

### HOW TO ORDER

30 EL 60 R 040 0/250°F XNH

<b>Dial Size:</b> 3" Code 30	_____
<b>Case Style:</b> EL	_____
<b>Stem Connection:</b> ½ NPT Code 60	_____
<b>Stem Location:</b> Rear Code R	_____
<b>Stem Length:</b> 4" Code 040	_____
<b>Range:</b> Code 0/250°F	_____
<b>Options:</b> Stainless steel tag	_____

## EL Series Bimetal Thermometers

EL Series selection table																					
Case	Size	Dial Code	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.						
3"	30	EL	½ NPT	60	Rear	R	2½	025	-40/160	2	20	-10/110	2	10							
							4	040	-20/120††			-20/120									
							6	060	30/130††			0/50††									
							5"	50	EL	½ NPT Union	42	Everyangle	E	9	090	0/200	2	20	0/100	1	10
														12	120	0/250			10/150		
														15	150	50/300					
5"	50	EL	½ NPT	60	Rear	R								18	180	50/550	5	50	5	50	
														24	240						

EL Series dual scale ranges	
Inner	Outer
-40/160°F and -20/120°F	-40/70°C
0/200°F and 0/250°F	-30/50°C† and -20/94°C
30/130°F and 50/300°F	-20/120°C
50/550°F	0/55°C† and 10/150°C
	10/290°C

Overtemperature limits	
Top of Range °F	Maximum Overpressure
up to 160	100% of span
160/300	300°F
300/550	550°F

\*Dual scale ranges available for all standard °F ranges. Use Ashcroft Duratemp® thermometers for ranges above and below those listed above.  
 ††Minimum stem length for Everyangle is 4".

EL Dimensions											
Case Series	Dial Size	Connection Location	A	B	C	G	H	S	NPT	Hex	Weight in ounces <sup>(3)</sup>
EL	3"	Rear	3½ (80)	1½ (15)	¾ (8)	-	-	-(2)	½	¾	S - 2½"
EL	5"	Rear	5½ (128)	2½ (18)	¾ (8)	-	-	-(2)	½	¾	16
EL	5"	Everyangle	5½ (128)	2½ (18)	-	1½ (48)	3½ (93)	-(2)	½	¾	25

**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**

