

## EL Series Bimetal Thermometers



### FEATURES

- **Silicone liquid fill**
- **1% full span accuracy ASME B40.200 (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 NEMA 4X/IP66**
- **Five-year limited warranty**



### SPECIFICATIONS

#### Ashcroft®

<b>Series:</b>	EL
<b>Dial Sizes:</b>	3", 5"
<b>Stem Length:</b>	2 1/2"-36" <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>	1/2 NPT and 1/2 NPT union and 1/2 NPT adjustable union
<b>Connection Location:</b>	Everyangle™, Rear
<b>Ranges:</b>	-40/160°F-50/550°F -20/120°C-0/300°C
<b>Options:</b>	<b>Code Description</b> <b>C4</b> Individual calibration cert. <b>XCS</b> Dual scale <b>XDM</b> Dial marking <b>XNH</b> Stainless steel tag <b>XNN</b> Paper tag <b>X3B</b> 3/8" stem dia. with 1/2 NPT <b>X02</b> 1/4 NPT when 1/2 NPT is standard <sup>(2)</sup> <b>XYW</b> 316 SS housing and stem <sup>(3)</sup>

(1) 25"-36" lengths available, consult factory

(2) Only available on rear connection

(3) Only available on 5" Everyangle™

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> 1/2 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	_____	_____	_____	_____	_____	_____	_____

All specifications are subject to change without notice.  
 All sales subject to standard terms and conditions.  
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# Data Sheet

## EL Series Bimetal Thermometers

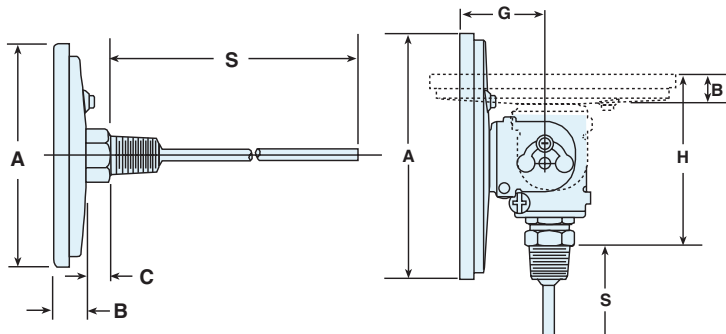
EL Series selection table																
Case	Size	Style Code	Stem			Stem Lengths Available			Temperature Range							
Dial	Code		Conn.	Code	Location	Code	"S" Length (inches)	Code	°F* Fahrenheit	°/Div.	Fig. Inter.	°C Celsius	°/Div.	Fig. Inter.		
3"	30	EI	1/4 NPT	60	Rear	R	2 1/2 4 6 9 12 15 18 24	025	-40/160	2	20	-10/110	1	10		
									-20/120††			-20/120	2	10		
									30/130††			0/50††	1	5		
5"	50		1/2 NPT Union	42	Everyangle	E		060	0/200	2	20	0/100	1	10		
								090	0/250			10/150	2	20		
								120	50/300							
			1/2 NPT Adjust. Union					70	15	150						
									18	180						
									24	240						
			1/2 NPT					60	Rear	R						

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	2 3/32 (53)	1 9/32 (15)	3/8 (8)	—	—	— <sup>(2)</sup>	1/2	7/8	7
EL	5"	Rear	5 1/32 (128)	2 3/32 (18)	3/8 (8)	—	—	— <sup>(2)</sup>	1/2	7/8	16
EL	5"	Everyangle	5 1/16 (128)	2 3/32 (18)	—	1 7/8 (48)	3 21/32 (93)	— <sup>(2)</sup>	1/2	7/8	25

### 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.

### DIMENSIONS



### EL Series dual scale ranges

Inner	Outer
-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
50/550°F	and 10/290°C

### Overtemperature limits

Top of Range °F	Maximum Over Temperature
up to 160	100% of span
161/300	300°F
301/550	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".