

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

Ashcroft®																	
Series:	EL																
Dial Sizes:	3", 5"																
Stem Length:	2½"–24" ⁽¹⁾																
Case & Stem:	304 stainless steel, hermetically sealed																
Stem Dia:	.250"																
Window:	Durable polycarbonate window																
Dial:	Maxivision®, black figures on white background																
Pointer:	Black																
Connection:	½ NPT and ½ NPT union																
Connection Location:	Everyangle ⁽²⁾ , Rear																
Ranges:	-40/160°F — 50/550°F -20/120°C — 0/300°C																
Options:	<table border="0"> <tr> <td>Code</td> <td>Description</td> </tr> <tr> <td>C4</td> <td>Individual calibration cert.</td> </tr> <tr> <td>XCS</td> <td>Dual scale</td> </tr> <tr> <td>XDM</td> <td>Dial marking</td> </tr> <tr> <td>XNH</td> <td>Stainless steel tag</td> </tr> <tr> <td>XNN</td> <td>Paper tag</td> </tr> <tr> <td>X3B</td> <td>¾" stem dia. with ½ NPT</td> </tr> <tr> <td>X02</td> <td>¼ NPT when ½ NPT is standard⁽³⁾</td> </tr> </table>	Code	Description	C4	Individual calibration cert.	XCS	Dual scale	XDM	Dial marking	XNH	Stainless steel tag	XNN	Paper tag	X3B	¾" stem dia. with ½ NPT	X02	¼ NPT when ½ NPT is standard ⁽³⁾
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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

Dial Size: 3" Code 30	_____
Case Style: EL	_____
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	_____

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 -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".

EL Dimensions

Case Series	Dial Size	Connection Location	A	B	C	G	H	S	NPT	Hex	Weight in ounces ⁽³⁾
											S - 2½"
EL	3"	Rear	3½ (80)	1½ (15)	¾ (8)	-	-	-(2)	½	7/8	7
EL	5"	Rear	5½ (128)	2½ (18)	¾ (8)	-	-	-(2)	½	7/8	16
EL	5"	Everyangle	5½ (128)	2½ (18)	-	1½ (48)	3¼ (93)	-(2)	½	7/8	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

