

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®

Series:	EL
Dial Sizes:	3", 5"
Stem Length:	2½"-36" ⁽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 and ½ NPT adjustable union
Connection Location:	Everyangle™, Rear
Ranges:	-40/160°F-50/550°F -20/120°C-0/300°C
Options:	Code Description C4 Individual calibration cert. XCS Dual scale XDM Dial marking XNH Stainless steel tag XNN Paper tag X3B ⅜" stem dia. with ½ NPT X02 ¼ NPT when ½ NPT is standard ⁽²⁾ XYW 316 SS housing and stem ⁽³⁾

(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
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	_____	_____	_____	_____	_____	_____	_____

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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††			1	10	0/50††	1
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											
			150												
			180												
			240												
			1/2 NPT Adjust. Union	70											
			1/2 NPT	60	Rear	R									

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

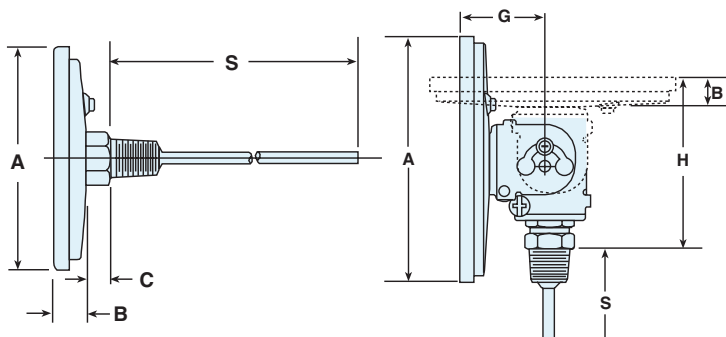
*Dual scale ranges available for all standard °F ranges
 Use Ashcroft Duratemp® thermometers for ranges above and below those listed above.
 ††Minimum stem length for Everyangle is 4".

EL Dimensions											
Case Series	Dial Size	Connection Location	A	B	C	G	H	S	NPT	Hex	Weight in ounces ⁽³⁾ S - 2 1/2"
EL	3"	Rear	2 3/32 (53)	19/32 (15)	3/8 (8)	-	-	— ⁽²⁾	1/2	7/8	7
EL	5"	Rear	5 1/32 (128)	23/32 (18)	3/8 (8)	-	-	— ⁽²⁾	1/2	7/8	16
EL	5"	Everyangle	5 1/16 (128)	23/32 (18)	-	1 7/8 (48)	3 21/32 (93)	— ⁽²⁾	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



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