



**Bimetal Thermometers  
 Series EI, Grade A (1%)**

- **Hermetically sealed**
- **External adjustment**
- **Maxivision® dial**
- **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 has a hermetic seal and an external adjustment in the rear of the case. As with other Ashcroft® industrial bimetal thermometers, it has a Maxivision® dial which eliminates parallax by placing the pointer on the same plane as the graduations. The connection locations are rear, lower, and Everyangle™.

The hermetic seal prevents entry of moisture into the casing, thus minimizing the possibility of icing or fogging inside the case. The window stays clear, and with the Maxivision dial, precise readings are certain.



**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	EI	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	5								
3"	30		½ NPT Union	42	Everyangle	E	6	060	0/200	2	20	0/100	1	10										
			½ NPT	60					10/150			2			20									
			½ NPT	60					Rear							R	50/300	0/200	5	50				
			½ NPT	60					Lower			L			50/400	0/300								
			5"	50					½ NPT Union			42			Everyangle	E	18	180	50/550	5	50	50/450**†	5	50
									½ NPT			60							200/700†			100/500**†		
½ NPT	60				Rear	R	100/800†	10	100															
					Lower	L	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 lower connection and Everyangle 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 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 EI SERIES BIMETAL THERMOMETER:**

**Select:** 30 EI 60 R 040 0/250°F XNH

- Case Size: 3" Code 30
- Style: Code EI
- Stem Conn: ½ NPT Code 60
- Stem Location: Rear Code R
- Stem Length: 4" Code 040
- Range: Code 0/250°F
- Options: Stainless Steel Tag (see page 33)