

# DialTemp™ Bi-Metal Thermometer

## Models J and L†



Shown smaller than actual size.

**Model J**  
**\$120**  
2½", 4" and 6" Lengths

**Model L**  
**\$102**  
2½", 4" and 6" Lengths

- ✓ Head May Be Tilt-Adjusted Through a Full 90° Angle
- ✓ All Stainless Steel Welded Construction
- ✓ External Recalibration
- ✓ Rust and Corrosion-Proof, Leakproof, Hermetically Sealed

- ✓ Sensitive Bi-Metal Element Silicone Dampened for Minimum Pointer Vibration and Maximum Heat Transfer
- ✓ Accuracy—1% of Range
- ✓ Use of Thermowell Is Recommended for Pressure Applications
- ✓ Overrange Protection—50% Up to 500°F

To order J and L, specify\*:

**Model - Range - Stem Length - Mounting**

Ordering Example: J-50-300F-2½"-1/2, model J with 50 to 300°F range, 2-1/2" stem and 1/2 NPT bushing, \$120.

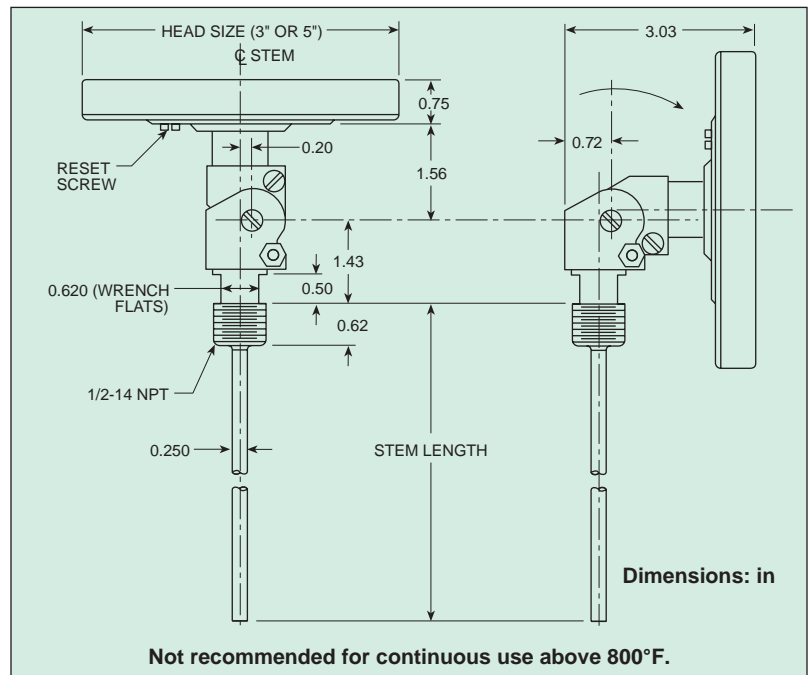
\* For stem lengths, pricing, see page E-19.

† Model J has a 5" dia. head. If a 3" dia. head is required, contact Sales department for model L.

The model J DialTemp™ bi-metal thermometer features a swivel neck which allows the large 5" dial to be set at any angle within its full 90° tilt range. In addition, the head can also be turned through a full 360° range. The extent of the tilt and rotational adjustment are shown in the diagram below. This features solves many problems, and improves dial readability for many installations. With the model J, readability is simple—just set the head angle to the position where the user can see it best.

These rugged thermometers are manufactured from stainless steel welded construction. The ¼" diameter probe is supplied with a ½ NPT fitting, making model J thermometers compatible with standard thermowell designs.

For available stem lengths, see page E-19. For custom stem lengths, consult Sales Department.



### Ranges and °Divisions

Fahrenheit		Celsius	
Range	Div.	Range	Div.
-100 to 100°F	2°	-50 to 200°C	2°
-80 to 120°F	2°	-50 to 100°C	2°
-40 to 160°F	2°	-50 to 50°C	1°
-20 to 120°F	2°	-40 to 70°C	1°
*0 to 100°F	1°	-40 to 160°C	2°
*25 to 125°F	1°	*-30 to 30°C	1°
0 to 140°F	2°	-20 to 120°C	2°
0 to 150°F	1°	-10 to 110°C	1°
0 to 200°F	2°	*0 to 50°C	½°
0 to 220°F	2°	0 to 100°C	1°
0 to 250°F	2°	0 to 150°C	1°
0 to 300°F	2°	0 to 200°C	2°
20 to 240°F	2°	0 to 300°C	2°
-50 to 300°F	5°	0 to 400°C	5°
50 to 300°F	5°	100 to 500°C	5°
50 to 400°F	5°	-80 to 220°C	2°
50 to 500°F	5°	-20 to 220°C	2°
50 to 550°F	5°	*0 to 30°C	½°
50 to 750°F	10°	*0 to 60°C	1°
100 to 800°F	10°	0 to 250°C	2°
150 to 750°F	10°	50 to 450°C	5°
200 to 1000°F	10°	100 to 550°C	5°
-100 to 200°F	2°		
-70 to 150°F	2°		
200 to 300°F	2°		
300 to 400°F	2°		

### **MOST POPULAR RANGES HIGHLIGHTED!**

Dual Range			
°F	Div.	°C	Div.
-50 to 210°F	5°	-50 to 100°C	2°
-100 to 100°F	2°	-70 to 40°C	1°
*25 to 125°F	1°	-5 to 50°C	1°
-40 to 160°F	2°	-40 to 70°C	1°
0 to 200°F	2°	-10 to 90°C	1°
0 to 250°F	2°	-20 to 120°C	2°
50 to 300°F	2°	10 to 150°C	2°
50 to 500°F	5°	10 to 260°C	5°
50 to 550°F	5°	10 to 290°C	5°
150v750°F	10°	70 to 400°C	5°
200 to 1000°F	10°	100 to 500°C	5°
0 to 150°F	1°	-20 to 70°C	1°
20 to 240°F	1°	-10 to 115°C	2°
50 to 400°F	5°	10 to 200°C	5°

\*Minimum Stem Length 4"

# Pricing Information

  **MOST POPULAR STEM LENGTHS HIGHLIGHTED!**  
 ▶ Stocked Stem Length

<b>To Order (Specify Model Number)</b>		*Not available with 0 to 100°F, 25 to 125°F, 0 to 50°C											
<b>Angle Form – Back Connected</b>	Page Ref	Head Dia. (O.D.)	Stem Lengths										
			2½"	4"	6"	9"	12"	15"	18"	24"	30"	36"	
<b>Model Q</b>	<b>E-12</b>	1½"											
Plain Bushing			\$37	\$37	\$37	\$40	\$49	\$53	\$56	\$61	\$68	\$72	
¼" NPT Mounting Thread			40	40	40	43	52	56	59	64	71	75	
¾"-24NF Mounting Thread			40	40	40	43	52	56	59	64	71	75	
½" NPT Mounting Thread			40	40	40	43	52	56	59	64	71	75	
<b>Model G</b>	<b>E-12</b>	1⅛"											
Plain Bushing			39	39	39	43	50	55	58	64	70	74	
¼" NPT Mounting Thread			52	52	52	46	53	58	61	67	73	77	
¾"-24NF Mounting Thread			52	52	52	46	53	58	61	67	73	77	
½" NPT Mounting Thread			52	52	52	46	53	58	61	67	73	77	
<b>Model H</b>	<b>E-13</b>	2⅝"											
Plain Bushing			42	42	42	45	53	58	60	66	73	77	
¼" NPT Mounting Thread			45	45	45	48	56	61	63	69	76	80	
¾"-24NF Mounting Thread			45	45	45	48	56	61	63	69	76	80	
½" NPT Mounting Thread			45	45	45	48	56	61	63	69	76	80	
<b>Model L</b>	<b>E-16</b>												
½" NPT Mounting Thread			102	102	102	106	116	126	134	143	163	182	
<b>Model G/EMB</b> Plain Bushing (External Mounting Bracket)	<b>E-18</b>	1⅛"	45	45	45	46	55	<b>OVER 12" NOT RECOMMENDED</b>					
<b>Model H/EMB</b> Plain Bushing (External Mounting Bracket)	<b>E-18</b>	2⅝"	48	48	48	51	59						
<b>Models A &amp; R</b> with ¼" NPT	<b>E-14</b>	3"	58	58	58	61	68	71	76	82	90	96	
<b>Model A</b> External Reset, ½" NPT			52	52	52	55	62	65	70	76	84	90	
<b>Model R</b> ½" NPT Mounting Thread			52	52	52	55	62	65	70	76	84	90	
<b>Models B &amp; S</b> with ¼" NPT	<b>E-14</b>	5"	81	81	81	87	93	97	102	106	113	119	
<b>Model B</b> External Reset, ½" NPT			75	75	75	81	87	91	96	100	107	113	
<b>Model S</b> ½" NPT Mounting Thread			75	75	75	81	87	91	96	100	107	113	
<b>Model J</b> with ¾" NPT Adaptor			137	137	137	142	148	155	166	176	194	214	
<b>Model J</b> with ½" NPT	<b>E-16</b>	5"	120	120	120	125	131	138	149	159	177	197	

<b>Straight Form – Bottom Connected</b>	Page Ref	Head Dia. (O.D.)	Stem Lengths									
			2½"	4"	6"	9"	12"	15"	18"	24"	30"	36"
<b>Model X</b> (XR with External Reset) ½" NPT Mounting Thread	<b>E-15</b>	3"	\$86	\$86	\$86	\$90	\$100	\$123	\$125	\$134	\$149	\$175
<b>Models X &amp; XR</b> ¼" NPT			92	92	92	96	106	129	131	140	155	181
<b>Model V</b> (VR with External Reset) ½" NPT Mounting Thread	<b>E-15</b>	5"	116	116	116	119	127	136	148	159	181	202
<b>Models V &amp; VR</b> ¼" NPT			122	122	122	125	133	142	154	165	187	208

For intermediate stem lengths add \$4 to next longer standard stem length. Stems over 36" are available; consult Sales Department for pricing. Optional mounting threads for models A, R, B, S, X, XR, V and VR not listed above: ¼" NPT mounting nut add \$6 to unit price; ¾" NPT adaptor bushing (add \$17 to price). Optional mounting threads for models Q, G and H not listed above: ½" NPT and ¾" NPT mounting threads, add \$4. Plain hex bushing (models A, R, B, S only), no additional charge. Special mounting threads: prices on application. Design and specifications are subject to change as engineering improvements permit.

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