

**Remote Mounted Types**

Available in 3½" and 4½" Dial Sizes

**STANDARD FEATURES**

- Uniformly graduated scales
- Accurate to ± 1% of range span
- Adjustable pointer
- Fast response
- Inert gas fill – ideal for applications where Mercury is prohibited
- Copper Bulb, ½" diameter with brass fittings
- Bronze bushed rotary type brass movement



REMOTE READING ECONO-GAS THERMOMETER WITH PLAIN BULB

**STANDARD TYPE "P" CAPILLARY TUBING**



0.125" O.D. Copper Braided Protective Covering Over Copper Capillary  
 AVAILABLE LENGTHS: 5, 10, 15, 20, 25 or 30 feet.



REMOTE READING ECONO-GAS THERMOMETER WITH UNION CONNECTION

**ECONO GAS-ACTUATED THERMOMETERS STANDARD RANGES**

FAHRENHEIT	DIVISIONS	CELSIUS	DIVISIONS
-20 to 120°F	1°	-30 to 50°C	1°
0 to 100°F	1°	0 to 100°C	1°
30 to 150°F	1°	30 to 150°C	1°
30 to 240°F	2°		
0 to 300°F	2°		

DUAL	DIVISIONS
0 to 100°F	1°
-18 to 38°C	1°
30 to 240°F	2°
0 to 115°C	1°

## Remote Mounted Types

TABLE 1

BASE CATALOG NO.	DIAL SIZE
313E	3½"
413E	4½"

TABLE 3 – CASE STYLES

WALL MOUNTED TYPES	
CODE	CASE TYPE
P	Molded polypropylene, Turret Type Standard – 4½" dial size only.
A	Aluminum, Rear Flange Black Aluminum Bayonet Ring Standard – 3½" Extra cost option – 4½" dial size.
X	Stainless Steel, Rear Flange Stainless Steel Bayonet Ring Extra cost option.
FLUSH PANEL MOUNTED STYLES	
E	Aluminum Case Black Threaded Front Flange Ring Extra cost option.
B	Aluminum Case, Semi-Flush Mounting Black Aluminum Bayonet Ring Extra cost option.
U	Stainless Steel Case and Bayonet Ring U Clamp Mounting Extra cost option – 3½" dial size only.
V	Stainless Steel Case and Bayonet Ring Front Flange – Semi-Flush Mounting Extra cost option.
W	Aluminum Case Hinged Front Plastic Bezel Extra cost option – 4½".

For complete case description and dimensions refer to pages 72-75.

TABLE 2 – BULB TYPE AND SIZE

PLAIN BULB FOR LIQUIDS IN OPEN TANKS, VATS, SINKS, ETC.		CODE					
<p>.50" Diameter</p>	3½" Bulb	C					
	6" Bulb	D					
Optional Fittings: A1 1/2NPT Compression Fitting A12-2 Set Screw Flange							
PLAIN BULB WITH 12" BENDABLE EXTENSION		E					
<p>3"x.50" Diameter Bulb</p>							
Union Connection (fixed length) Wells, bushings or flanges required for installation		J					
<p>.50" Bulb Diameter ¾" – 24 NS-2 Swivel Nut with Compression Fitting</p>	<table border="1"> <thead> <tr> <th>FITS WELL</th> <th>LENGTH</th> </tr> </thead> <tbody> <tr> <td>4" O.A.</td> <td>3½"</td> </tr> <tr> <td>6½" O.A.</td> <td>6"</td> </tr> </tbody> </table>	FITS WELL	LENGTH	4" O.A.	3½"	6½" O.A.	6"
		FITS WELL	LENGTH				
4" O.A.	3½"						
6½" O.A.	6"						
Optional Fittings: "4B Series" Thermowells (4" or 6½" O.A.) "4B Series" Bushings A11-2 Flange		K					
SLIDING UNION CONNECTION WITH 12" BENDABLE EXTENSION		N					
<p>.50" Bulb Diameter, ¾"-24 NS-2 Swivel Nut</p>							
Optional Fittings: "4B Series" Thermowells (Up to 12½" O.A. Length) "4B Series" Bushings A11-2 – A13-2 Flanges							

Optional fittings are described on pages 77 and 78.

TABLE 4 – LOCATION OF CAPILLARY CONNECTION

L = LOWER	R = REAR
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## HOW TO ORDER

SPECIFY 4-DIGIT BASE CATALOG NUMBER 4 1 3 E C P L

ADD BULB TYPE DIGIT FROM TABLE 2 \_\_\_\_\_

ADD CASE STYLE DIGIT FROM TABLE 3 \_\_\_\_\_

ADD CONNECTION LOCATION DIGIT FROM TABLE 4 \_\_\_\_\_

ALSO SPECIFY: (A) RANGE (SEE TABLES ON PAGE 68) (B) LENGTH OF CAPILLARY TUBING IN FEET (C) ANY ACCESSORIES OR OPTIONS DESIRED (SEE PAGES 76 THRU 78)