

**Direct 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
- Rigid or adjustable angle forms



ADJUST ANGLE DIAL THERMOMETER



RIGID THERMOMETER

**ECONO GAS-ACTUATED THERMOMETERS STANDARD RANGES**

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

CELSIUS	DIVISIONS
-30 to 50°C	1°
0 to 100°C	1°
30 to 150°C	1°

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

## Direct Mounted Types

TABLE 1

BASE CATALOG NO.	DIAL SIZE	TYPE
333E 433E	3½" 4½"	Adjustable Angle
323E 423E	3½" 4½"	Rigid (Not Adjustable)

TABLE 3 – CASE STYLES

CODE	CASE TYPE
P	Molded polypropylene, Turret Type Standard on 4½" dial size. (Not available in other dial sizes.)
C	Aluminum, Flangeless Black Aluminum Bayonet Ring Standard on 3½" dial size. Extra cost option for 4½" dial size.
Y	Stainless Steel, Flangeless Stainless Steel Bayonet Ring Extra cost option for 3½" or 4½" dial sizes.

For complete case description and dimensions refer to pages 72 & 73.

TABLE 2 – BULB TYPE AND SIZE

Union Connection (fixed length)  
Wells, bushings or flanges required for installation



½" O.D. Bulb  
¾"-24 NS-2 Swivel Nut  
with Compression Fitting

CODE	STEM LENGTH	FITS WELL
J	3½"	4" O.A.
K	6"	6½" O.A.

Optional Fittings: "4B Series" Thermowells  
"4B Series" Bushings  
All-2 Flange

Optional fittings are described on pages 77 and 78.

TABLE 4 – CONNECTION LOCATION

CODE	ADJUST ANGLE	RIGID TYPE
L = Lower	•	•
R = Rear		•

## HOW TO ORDER

SPECIFY 4-DIGIT BASE CATALOG NUMBER 4 3 3 E

ADD BULB TYPE DIGIT FROM TABLE 2 J

ADD CASE STYLE DIGIT FROM TABLE 3 P

ADD CONNECTION LOCATION DIGIT FROM TABLE 4 L

ALSO SPECIFY: (A) RANGE (SEE TABLES ON PAGE 70) (B) ANY ACCESSORIES OR OPTIONS DESIRED (SEE PAGES 76 THRU 78)