



MERIAM  
Model 30EBX25  
Table Mount



MERIAM  
Model 30EBX50  
Table Mount



MERIAM  
Model 30EFX25 TM  
Vernier Model

# Model 30EBX25, 30EBX50, 30EFX25 Well Type Manometer

The Meriam Model 30EBX25 and 30EFX25 well type manometer are direct reading manometers designed for process, general purpose production testing, or laboratory measurement of pressures, vacuums or differential pressures.

Designed for a maximum operating pressure of 250 PSIG,\* these instruments can also be used to measure flow, tank level, and pressure drop or distribution across operating equipment. Raised wells can be furnished so positive and negative pressures or reversing flow can be indicated without changing the pressure connections. Various mounting styles to satisfy installation requirements are available.

\*Model for 500 psi is 30EBX50

## Well Type Manometer Construction

The manometer body is of aluminum channel construction. Stainless steel end blocks, for packing the glass indicating tube, are screwed to the body. The  $\frac{7}{16}$ " outside diameter glass tubing is yoke packed with viton gaskets at each end block and is supported at spaced intervals to prevent tube distortion.

The welded stainless steel manometer well has a large cross section and is readily removable for greatest ease in cleaning. Two  $\frac{1}{4}$ " female pipe connections are provided on the top side of the well; one outlet is normally used for the high pressure manometer connection, while the other, provided with a plug, is used as the well fill connection.

The unit scale, located directly behind the glass indicating tube, extends the full width of the instrument body and is graduated on each side of the indicat-

ing column. This scale has a white, non-glare satin background with black graduations and figures, and is compensated for liquid level change within the manometer well. The scale is adjustable for zero indicating fluid level by means of a non-slip, flexible shaft adjustment located in the lower end block and operated from the front of the instrument.

A transparent plexiglass cover protects the unit from dust and moisture. All exterior portions of the manometer are finished in textured, black urethane paint.

Standard pressure connections in the upper end block and at the manometer well for connecting the instrument are  $\frac{1}{4}$ " female pipe connections. Suitable drain, fill and vent plugs are furnished with each unit.

# Model 30EBX25, 30EBX50, 30EFX25

## Well Type Manometer

### Specifications

#### Scales

- A – Inches and tenths
- F – Centimeters & millimeters
- G – Inches & tenths of water using 827 Red Oil
- I – Inches & fifths using 295 Red Fluid
- A/F – Duplex – Inches & tenths (left) centimeters & millimeter (right)
- MI – Centimeters of water using 2.95 Fluid Specials

### Fluid Requirements & Instrument Weight

Range	6	12	20	30	35	40	50	60	80	100
Weight	6	9	11	12	—	13	14	17	21	24
#3 Fluid lbs.	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	1.5	1.5
Fl. Oz.	4	4	4	4	4	4	4	4	7	7

Consult factory for special scale and fluids.

#### Accessories

- Bubbler – model Z931R or Z931S
- Line Trap – model Z932R or Z932S
- Moisture Trap – model Z933A10
- Pressure/Vacuum Variator – model Z971A3
- Tank Gauge Accessories
- Pipe Saddle – model Z912S
- Raised Well

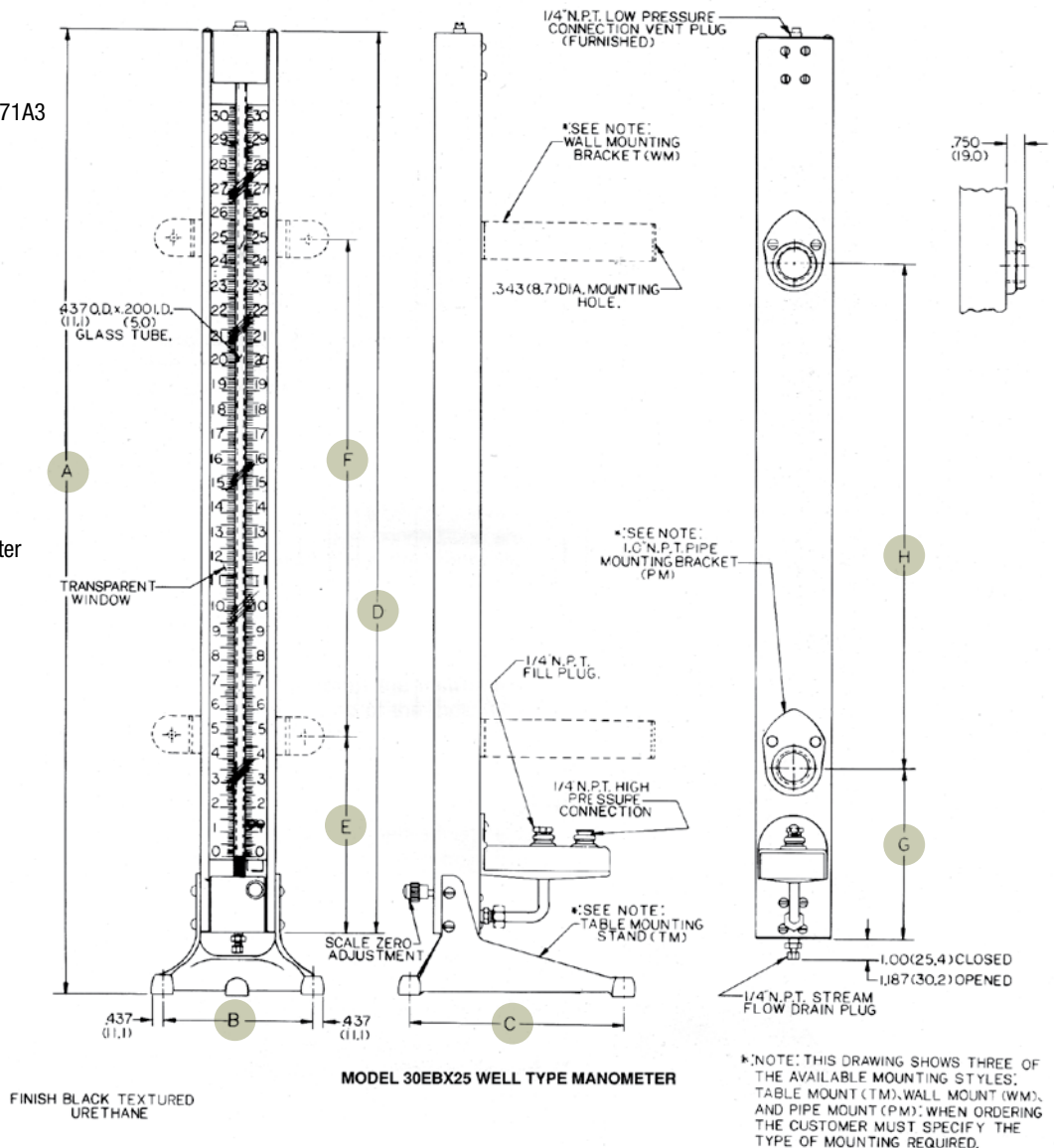
#### Available Fluids

- Z922WA – 1000 Green Concentrate
- Z923R0 – 827 Red Oil
- Z923RU – 100 Red Unity Oil
- Z923BFL – 190 Blue Fluid
- Z924BA – 295 Red Fluid

### Ordering Information

To order a Meriam well-type manometer custom-made to your specifications, please contact your Meriam sales representative with the following information:

- Range
- Mounting Style
- Safe Working Pressure
- Scale Description



# Model 30EBX25, 30EBX50, 30EFX25

## Well Type Manometer *(Specifications Continued)*

Dimensions Table

Range	A	B	C	D	E	F	G	H
6"	15.25 (387.4)	5.125 (130.2)	7.75 (196.9)	12.75 (323.9)	6.25 (158.9)	3.75 (95.3)	9.00 (228.6)	—
12"	21.25 (539.8)	5.125 (130.2)	7.75 (196.9)	18.75 (476.3)	8.00 (203.2)	5.50 (139.7)	7.00 (177.8)	—
20"	29.25 (743.0)	5.125 (130.2)	7.75 (196.9)	26.75 (679.5)	8.00 (203.2)	10.50 (266.7)	7.00 (177.8)	—
30"	39.25 (997.0)	5.125 (130.2)	7.75 (196.9)	36.75 (933.5)	8.00 (203.2)	20.50 (520.7)	7.00 (177.8)	19.50 (495.3)
35"	44.25 (1124.0)	8.00 (203.2)	12.00 (304.8)	41.75 (1060.5)	8.00 (203.2)	25.50 (647.7)	7.00 (177.8)	24.50 (622.30)
40"	49.25 (1251.0)	8.00 (203.2)	12.00 (304.8)	46.75 (1187.5)	8.00 (203.2)	30.50 (774.7)	7.00 (177.8)	29.50 (749.3)
50"	59.25 (1505.0)	8.00 (203.2)	12.00 (304.8)	56.75 (1441.5)	8.00 (203.2)	40.50 (1028.7)	7.00 (177.8)	39.50 (1003.3)
60"	69.25 (1759.0)	8.00 (203.2)	12.00 (304.8)	66.75 (1695.5)	8.00 (203.2)	50.50 (1282.7)	7.00 (177.8)	49.50 (1257.3)
80"	89.25 (2267.0)	8.00 (203.2)	12.00 (304.8)	86.75 (2203.5)	8.00 (203.2)	70.50 (1790.7)	7.00 (177.8)	69.50 (1765.3)
100"	109.25 (2775.0)	8.00 (203.2)	12.00 (304.8)	106.75 (2711.5)	8.00 (203.2)	90.50 (2298.7)	7.00 (177.8)	89.50 (2273.3)

NOTE: All numbers in parentheses are in millimeters.



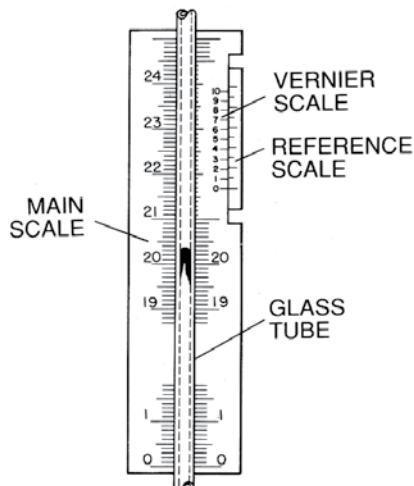
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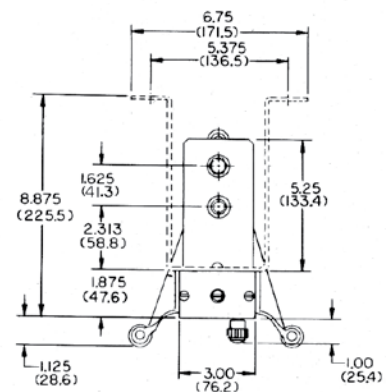


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### Verniers

With the full scale vernier, readings can be obtained to  $\frac{1}{10}$  of the main scale subdivision. A reading is observed by aligning the fluid meniscus with the nearest lower scale division. The distance required to accomplish this is measured on the vernier scale. This is added to the main scale for overall reading.

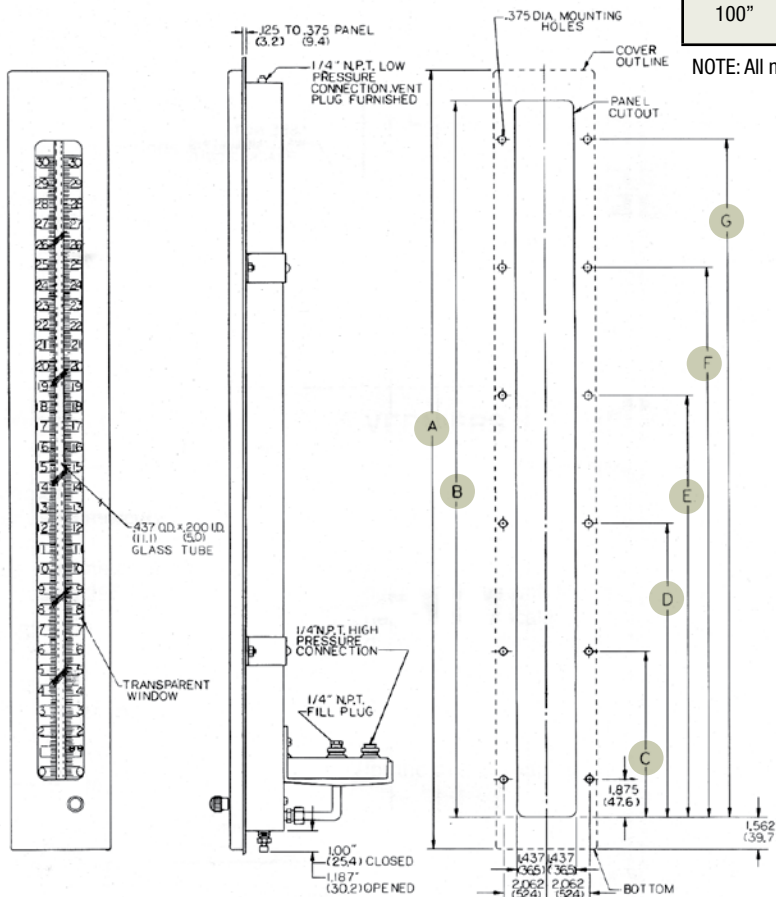
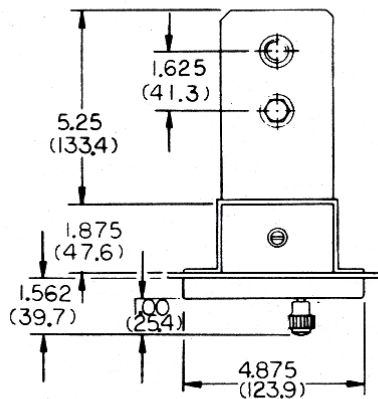


# Model 30EBX25, 30EBX50, 30EFX25

## Well Type Manometer (Specifications Continued)

Dimensions Table

Range	A	B	C	D	E	F	G
6"	14.375 (365.1)	11.250 (285.8)	5.625 (142.9)	9.375 (238.1)	—	—	—
12"	20.375 (517.5)	17.250 (438.2)	7.375 (187.4)	12.875 (327.0)	15.375 (390.5)	—	—
20"	28.375 (720.7)	25.250 (641.4)	7.375 (187.4)	17.875 (454.0)	23.375 (593.7)	—	—
30"	38.375 (974.7)	35.250 (895.4)	7.375 (187.4)	17.625 (447.7)	27.875 (708.0)	33.375 (847.7)	—
35"	43.375 (1101.7)	40.250 (1022.4)	7.375 (187.4)	20.125 (511.2)	32.875 (835.0)	38.375 (974.7)	—
40"	48.375 (1228.7)	45.250 (1149.4)	7.375 (187.4)	22.625 (574.7)	37.875 (962.0)	43.375 (1101.7)	—
50"	58.375 (1482.7)	55.250 (1403.40)	7.375 (187.4)	191.25 (485.8)	36.125 (917.6)	47.875 (1216.0)	53.375 (1355.7)
60"	68.375 (1736.7)	65.250 (1657.4)	7.375 (187.4)	66.75 (1695.5)	42.125 (1070.0)	57.875 (1470.0)	63.375 (1609.7)
80"	88.375 (2244.7)	85.250 (2165.4)	7.375 (187.4)	29.125 (739.8)	56.125 (1425.6)	77.875 (1978.0)	83.375 (2117.7)
100"	108.375 (2572.7)	105.250 (2673.4)	7.375 (187.4)	36.125 (917.6)	69.125 (1755.8)	97.875 (2486.0)	103.37 (2625.7)



NOTE: All numbers in parentheses are in millimeters.