

RANGE - MANOMETER

The range of a given manometer is usually the maximum vertical height of the fluid column in inches. In some cases, the range is given as the height of an equal pressure column of water and the specific gravity of the manometer fluid is then specified.

Manometer Range Conversions to various Equivalent Scale Graduations					
Manometer Range in Inches	Scale A	Scale F	Scale G	Scale 190	Scale I
			Inches of Water Using Meriam		
	Inches and Tenths of Manometer Fluid	Millimeters of Manometer Fluid	827 Red Oil 0.827 Sp. Gr.	190 Blue Fluid 1.90 Sp. Gr.	295 No. 3 Fluid 2.95 Sp. Gr.
6	6	152	4.9	11.4	17.8
10	10	254	8.2	19.0	29.6
12	12	305	9.9	22.8	35.6
15	15	381	12.4	28.5	44.5
16	16	406	13.2	30.4	47.4
20	20	508	16.5	38.0	59.3
24	24	610	19.8	45.6	71.2
30	30	762	24.7	57.0	88.9
35	35	889	28.9	66.5	103.8
36	36	914	29.7	68.4	106.7
40	40	1016	33.0	76.0	118.6
50	50	1270	41.2	95.0	148.2
60	60	1524	49.5	114.0	177.9
80	80	2032	66.0	152.0	237.2
100	100	2540	82.5	190.0	296.5

STANDARD SCALE GRADUATIONS – MANOMETERS

Most Meriam manometers are supplied with a standard scale reading inches and tenths of manometer fluid. Other standard scales available for specific models include:

- Scale A - Inches and tenths of manometer fluid
- Scale E - Ounces per square inch and eighths using water
- Scale F - Centimeters and millimeters of manometer fluid
- Scale G - Inches and tenths of water pressure using Meriam 827 Red Oil
- Scale I - Inches and fifths of water pressure using Meriam 295 (No. 3) Red Fluid
- Scale MI - Centimeters of water using Meriam 295 (No. 3) Red Fluid
- Scale N - Inches and hundredths of water pressure using Meriam 827 Red Oil
- Scale O- Inches and fiftieths of water pressure using Meriam 827 Red Oil

Direct reading scales for both linear and non-linear applications are available in practically any unit - English, Metric or per custom calibration data. For flow meter applications, scales can be made for standard cubic feet per minute, gallons per hours, etc. Tank gauge scales reading depth of liquid or volume in gallons, liters, pounds or kilograms are available. Consult **Meriam for any special scale requirements.**