

Manometer

MO40, MO63

Diameter 40 /63 mm (1.58 / 2.48 in) • p_{max} 100 / 400 bar (1450 / 5800 PSI)

Technical Features

- > Connection thread G 1/8" (MO40), G 1/4" (MO63)
- > Radial or Axial type of connection
- > Maximum fluid temperature 60 °C
- $\,$ > Working temperature range from -40 to +60 °C
- > Stainless steel water-proof body
- Vibration resistant
- > Damping of the hand movement by glycerine filling
- Pressure shock absorber in connection fitting

Functional Description

The manometer is mainly used for measuring pressure of the liquids and gases under harsh operating conditions, where vibration, humidity and other factors are exposed. Bourdon tube is used here as a measuring element, which is made from CuZn alloy. Pressure of the medium causes deformation of the measuring element, which is trasmitted to the hand. Movement of the hand is damped by glycerin fluid. Manometer is equipped with pressure shock absorber in connection fitting.

Manometers have been manufactured from following materials:

- > Water-proof housing stainless steel 17 240 / W.Nr. 1.4301
- > Glass peephole acrylic glass
- > Scale aluminium sheet (black text acc. to DIN 16 109 on white background)
- > Hand colour painted aluminium sheet
- > Measuring mechanism CuZn alloy
- > Connection thread CuZn alloy



Caution:

Manometers can be only used for gases and liquids, which is not causing corrosion on copper alloy materials.
We do recommend using manometer to measure constant pressure in 3/4 range of the scale or to use it to measure fluctuating pressure in 2/3 range of the scale. Outer sides of the manometer could show lower measuring accuracy.

Technical Data

Manometer		MO40		MO63	
Diameter	mm (in)	40 (1.58)		63 (2.48)	
Maximum pressure	bar (PSI)	100 (1450)		400 (5800)	
Connection thread		G 1/8"		G 1/4"	
Accuracy class	%	1.6			
Max. medium temperature	°C (°F)	60 (140)			
Temperature range	°C (°F)	-40 +60 (-40 +140)			
Measuring dep. on temperature		0.3 % / 10 K at deviation from temperature 20 °C (68 °F)			
Connection orientation		radial	axial	radial	axial
Weight	kg (lbs)	0.21 (0.46)	0.26 (0.57)	0.07 (0.15)	0.07 (0.15)





Table of types to offer

Diameter 40 mm (1.58 in)	radial	MO40-R-100
	avial	MO40-A-10
	axial	MO40-A-100
Diameter 63 mm (2.48 in)	radial	MO63-R-40
		MO63-R-60
		MO63-R-100
		MO63-R-160
		MO63-R-250
		MO63-R-400
		MO63-A-40
		MO63-A-60
	axial	MO63-A-100
		MO63-A-160
		MO63-A-250
		MO63-A-400

MO40-R

radial



MO63-R

radial



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MO40-A



axial

