

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 connection of manometer
- › Maximum fluid temperature 60 °C
- › Ambient working temperature range -40 ... +60 °C
- › Stainless steel water-proof case
- › Vibration resistible
- › Pressure shock absorber mounted in the connection fitting

Functional Description

Manometers are mainly used for measuring the pressure of liquids or gases underneath harsh operating conditions such as vibrations, humidity and other factors that can occur. Manometers MO* use the bourdon pen as a measuring element, which is made from brass alloy. The pressure of medium effects on the shape of measuring element and the movement of its end is transmitted to the pointer. The movement of pointer is damped by glycerine liquid filled in the case. Manometer is equipped with a pressure shock absorber mounted in the connection fitting.

Used materials:

- › Water-proof case – stainless steel 17 240 / W.Nr. 1.4301
- › Glass viewer – acrylic glass
- › Dial – aluminium sheet (black scale acc. to DIN 16 109 on the white background)
- › Pointer – colour painted aluminium sheet
- › Measuring mechanism – brass (CuZn alloy)
- › Connecting threaded fitting – brass (CuZn alloy)



Caution:

1. Manometers can be only used for gases and liquids nonaggressive to brass which do not cause any corrosion of copper alloys.
2. We recommend using the manometers to measuring of constant or fluctuating pressure in the range of ¾ of the whole scale. In the peripheral parts of the scale the measurement accuracy decreases.

Technical Data

Manometer type		MO40	MO63		
Diameter	mm (in)	40 (1.58)	63 (2.48)		
Maximum pressure	bar (PSI)	100 (1450)	400 (5800)		
Connecting thread		G 1/8"	G 1/4"		
Accuracy class	%	1.6 (from the range of scale)			
Max. fluid temperature	°C (°F)	60 (140)			
Ambient temperature range	°C (°F)	-40 ... +60 (-40 ... +140)			
Measuring dep. of the 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)

Ordering Code

	MO	<input type="text"/>	-	<input type="text"/>	-	<input type="text"/>
Manometer						
Diameter	40 mm (1.58 in)	40				
	63 mm (2.48 in)	63				
Connection orientation	radial				R	
	axial				A	
				40		Measuring range
				60		up to 40 bar (580 PSI)
				100		up to 60 bar (870 PSI)
				160		up to 100 bar (1450 PSI)
				250		up to 160 bar (2320 PSI)
				400		up to 250 bar (3630 PSI)
						up to 400 bar (5800 PSI)

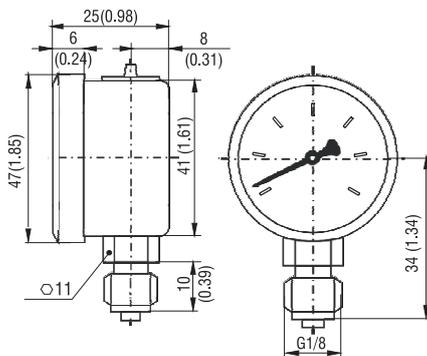
Table of types to offer

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

Dimension in millimeters (inches)

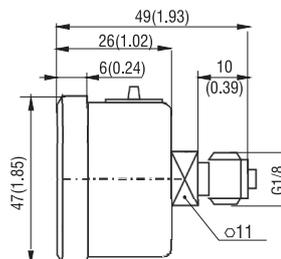
MO40-R

radial



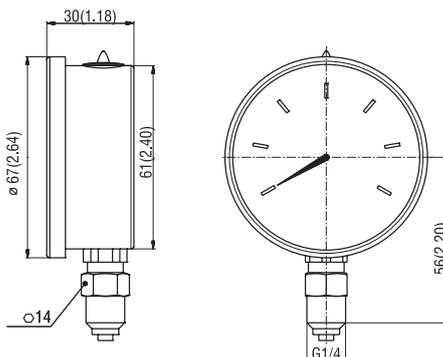
MO40-A

axial



MO63-R

radial



axial

