

„UM” Type Tube Manometer

The **UM** type „U” tube manometer is excellent for manometry in the range of low pressures (0–150 mbar). The construction of the device is the classical „U” shaped glass tube, which is fixed on an aluminium retainer plate. The retainer plate bears a 2 millimetre graduated scale as well, which ensures the direct water column in mm reading when the tube is filled up with water. Connection to the device is through the Ø7 mm hose couplings at the two ends of the glass tube. The pressure difference at the two ends of the glass tube makes the liquid column in the tube move to either direction. The difference of the two ends of the liquid column can be read from the scale with 2 millimetre accuracy. The scale is formed in a way that the liquid column is not necessary to be at „0” when the device is in no-pressure state. When reading, the distance between the top and bottom liquid levels is indicated by two figures, which are to be added to receive the value referring to the total pressure.

The manometer is produced in 6 standard length (*from 250 to 1500 mm water column nominal measuring range*), but we undertake to satisfy unique requirements as well.



Technical data	
Nominal measuring range	0 – 1 500 mm water column (0 – 150 mbar)
Scale graduation	±2 mm
Read accuracy	±2 water column in mm (±0,2 mbar)
Connection dimension	Ø7 hose coupling
Installation dimensions	
depth	nominal measuring range + 70 mm (320 – 1 570 mm)
width	60 mm
height	30 mm
Distance between the measuring tube’s branches	40 mm
Weight	approximately 0,6-3,3 kg (depending on length)
Material specification	
Measuring tube	SCHOTT DURAN® borosilicate glass tube
Frame	AlMgSi1
Holding elements	polystyrene

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0000	Nominal measuring range	Installation dimensions	weight
0250	250 mm water column	320 mm	~0,6 kg
0500	500 mm water column	570 mm	~1,1 kg
0750	750 mm water column	820 mm	~1,6 kg
1000	1 000 mm water column	1 070 mm	~2,2 kg
1250	1 250 mm water column	1 320 mm	~2,8 kg
1500	1 500 mm water column	1 570 mm	~3,3 kg