

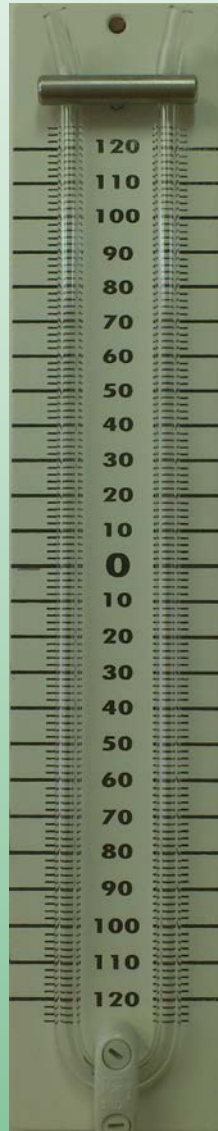


U-pipe Pressure Gauges



measuring
•
monitoring
•
analysing

PUM



- Nominal measuring range:
0 ... 1500 water column in mm
(0 - 150 mbar)
- Scale graduation: ± 2 mm
- Read accuracy:
 ± 2 water column in mm
($\pm 0,2$ mbar)
- Connection dimension:
 $\varnothing 7$ hose coupling
- Material:
glass tube on aluminium plate



P1

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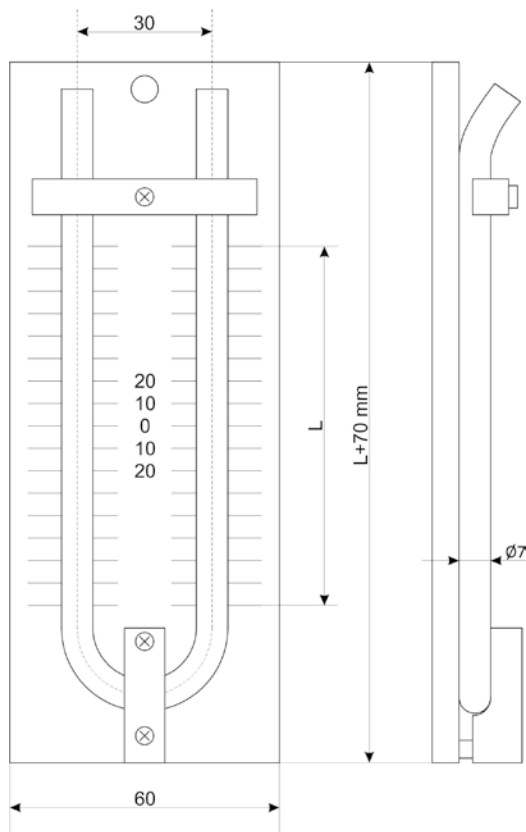
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Description

The Kobold U-pipe pressure gauge model PUM is excellent for manometry in low pressure ranges (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 mm graduated scale as well, which ensures the direct reading of the water column in mm 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 mm 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 available in 6 standard lengths (with 250, 500, 750, 1000, 1250 and 1500 water column in mm nominal measuring range), but we offer custom-made products as well.

Dimensions [mm]



Technical Data

- Nominal measuring range: 0 - 1500 water column in mm (0 - 150 mbar)
- Scale graduation: ±2 mm
- Read accuracy: ±2 water column in mm (±0.2 mbar)
- Connection dimension: Ø7 hose coupling
- Installation dimensions:
 - Height: Nominal measuring range +70 mm
 - Width: 60 mm
 - Depth: 30 mm
- Distance between the measuring tube's branches: 30 mm
- Weight: approx. 1.1 - 2.2 kg (depending on length)

Material

- Measuring tube: borosilicate glass tube
- Frame: aluminium alloy
- Holding elements: polystyrene

Order details (Example: PUM-025)

Model	L
PUM-025	250
PUM-050	500
PUM-075	750
PUM-100	1000
PUM-125	1250
PUM-150	1500