

LU series VERTICAL LIQUID COLUMN MANOMETERS

Pressure / Depression

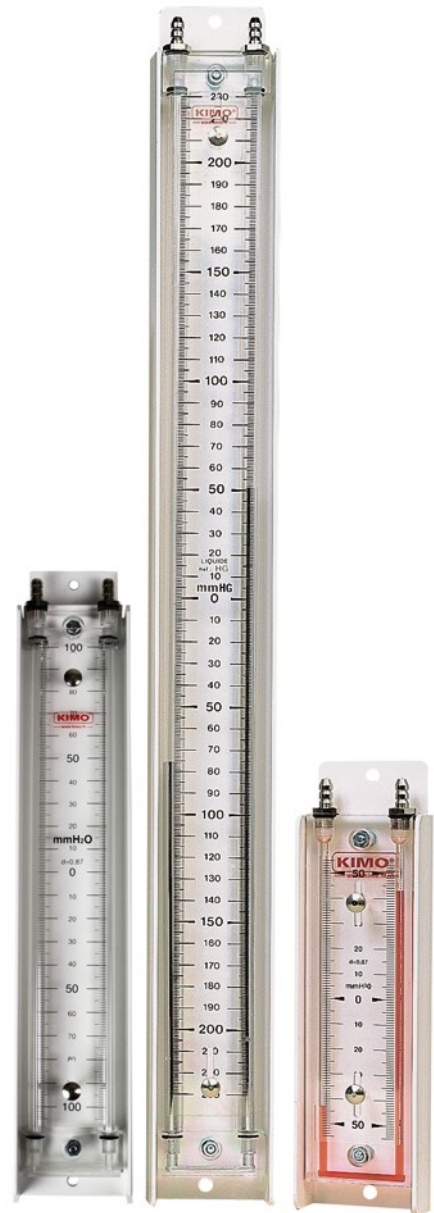
KEY POINTS

The LU range of vertical liquid column manometers, developed and manufactured by KIMO, are mainly for measuring variations of pressure, depression or differential pressure of air or gas within measurement ranges which vary according to the type of manometric liquid used :

AWS 10, VOLT 1S or **MERCURY**.

(See table below)

- "U"-shaped column for measuring consecutively positive and negative pressures
- Measurement by addition of values read on each column
- Zero adjustment by moving the slide strip
- For fixed use regardless of the manometric liquid used
- For portable use with the LU model using VOLT 1S liquid
- Supplied with a white PVC support, 2 screws and 2 rawlplugs, two 487 connectors and bottle of liquid



MEASURING RANGE

			LU 100	LU 200	LU 400
Liquide AWS 10	Measuring range	mm CE	50 – 0 – 50	100 – 0 – 100	200 – 0 – 200
		mbar	5 – 0 – 5	10 – 0 – 10	20 – 0 – 20
	Résolution : 1 mm CE or 0.5 mbar				
Liquide VOLT 1S	Measuring range	mm CE	110 – 0 – 110	220 – 0 – 220	440 – 0 – 440
		mbar	11 – 0 – 11	22 – 0 – 22	44 – 0 – 44
	Résolution : 5 mm CE or 1 mbar				
Mercure	Measuring range	mm HG	50 – 0 – 50	120 – 0 – 120	240 – 0 – 240
		mbar	80 – 0 – 80	160 – 0 – 160	310 – 0 – 310
	Résolution : 1 mm HG or 10 mbar				

TECHNICAL FEATURES

Recommended range of use	From +5 to +30°C
Possible range of use	From -30 to +60°C
Maximum static pressure	6 bars
Manometer body	Transparent Altuglas of 15 mm thick
Liquid column	Ø 4 mm tube in extruded Altuglas.
Graduated slide strip	Altuglas transparent. Section 40 X 2 mm
Zero adjustment	By moving the graduated slide strip, travel 10 mm. Fixed via milled, nickel-plated brass screw
Manometric liquid	AWS 10 liquid, density 0.86, VOLT 1S liquid, density 1.86 or mercury, density 13.545
Connection	Ø 5x8 mm semi-rigid crystal tube on Ø 6.2 nickel-plated brass ribbed connectors (for manometers using AWS 10 or VOLT 1S liquid) or in Delrin (for mercury manometer), 1/8 gas thread
Wall mounting	With or without white PVC support.

ENCOMBREMENT

REF.	LU 100	LU 200	LU 400
a	57 mm	57 mm	57 mm
b	207 mm	324 mm	558 mm
c	25 mm	25 mm	25 mm
d	50 mm	50 mm	50 mm
e	169 mm	286 mm	520 mm
Distance between tubes	193 mm	310 mm	544 mm
Weight	260 g	400 g	730 g

MOUNTING

- 1. Mount the manometer on a wall or partition wall with two maximum Ø 5 screws.
- 2. Unscrew the left-hand connector and slowly pour the manometric liquid to zero point on the graduation
- 3. Remount the connector without overtightening.
- 4. Connect the manometer with the Ø 5x8 mm crystal tube to the pressure or depression source to be checked.

REMARQUES :

For a pressure measurement..... Connect the crystal tube to one of the two connectors
For a depression measurement..... Connect the crystal tube to one of the two connectors.
For a differential pressure measurement..... Connect both tubes to both connectors

