

LU series VERTICAL LIQUID COLUMN MANOMETERS

Pressure / Depression

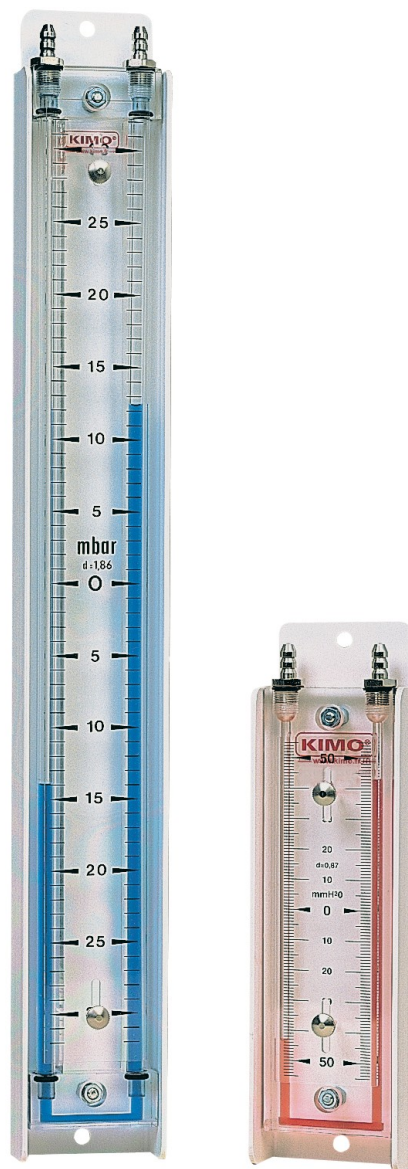
KEY POINTS

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 or **VOLT 1S**.

(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

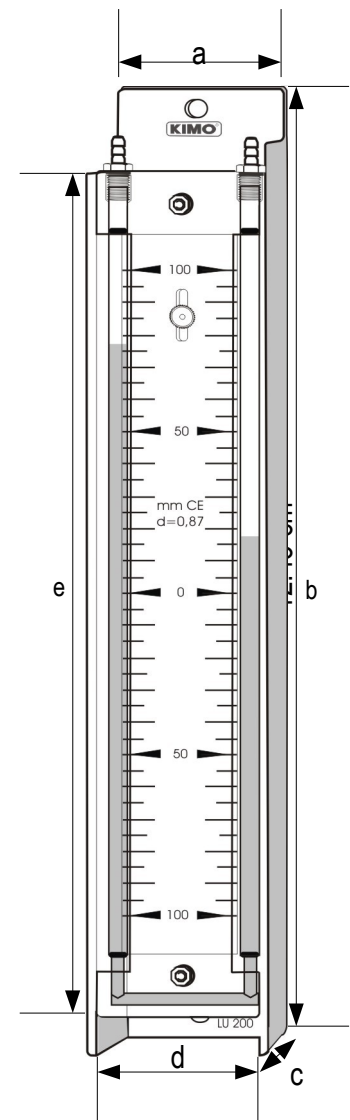
			LU 100	LU 200	LU 400
AWS 10 LIQUID	Measuring range	mm CE	50 – 0 – 50	100 – 0 – 100	200 – 0 – 200
		mbar	5 – 0 – 5	10 – 0 – 10	20 – 0 – 20
	Resolution	1 mm CE or 0.5 mbar			
VOLT 1S LIQUID	Measuring range	mm CE	110 – 0 – 110	220 – 0 – 220	440 – 0 – 440
		mbar	11 – 0 – 11	22 – 0 – 22	44 – 0 – 44
	Resolution	5 mm CE or 1 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
Connection	Ø 5 X 8 mm semi-rigid crystal tube on Ø 6.2 nickel-plated brass ribbed connectors
Wall mounting	With or without white PVC support.

DIMENSIONS

Reference	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.

NOTES:

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**

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Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29

e-mail : export@kimo.fr