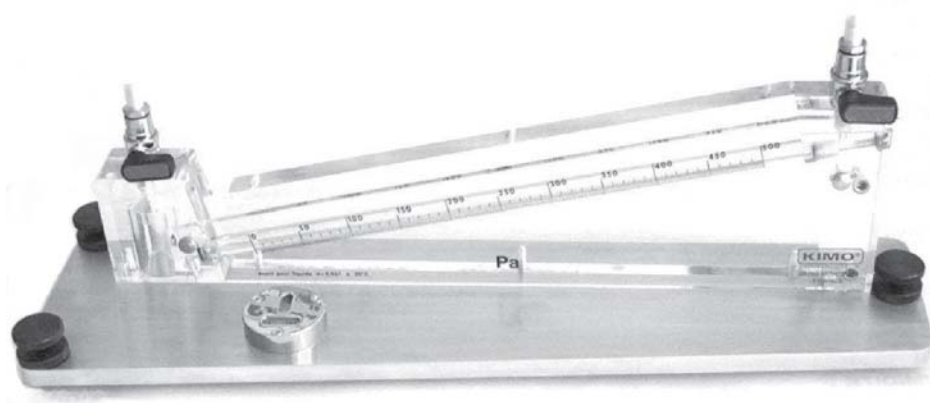


TECHNICAL DATA SHEET

LABORATORY INCLINED MANOMETERS TYPE LABO



The LABO inclined liquid column manometers, developed and manufactured by KIMO, is an essential instrument for measuring slight variations in pressure, vacuum, or differential pressure of air or gas. They permit a high measurement sensitivity on the whole scale.

These instruments are particularly recommended for measuring pressures in laboratories and for the calibrations of liquid column manometers, dial manometers or transmitter / controllers.

- High measurement sensitivity.
- Zero adjustment by moving the scale.
- Manometer column in pyrex glass calibrated to 1/100.
- Integral spirit level for adjustment horizontality.
- Aluminium support with height adjustment.
- Supplied with aluminium transport case and calibration certificate.

MEASUREMENT RANGE

REFERENCE	MEASUREMENT RANGE	RESOLUTION	ACCURACY
LABO 250	0-250 Pa	1 Pa	0,5 % on complete scale
LABO 500	0-500 Pa	2 Pa	0,5 % on complete scale
LABO 1000	0-1000 Pa	5 Pa	0,5 % on complete scale

CHARACTERISTICS

- Recommended range of use : +5 to 30°C.
- Possible range of use : -30 to +60°C.
- Maximum static pressure : 6 bars.

- Manometer body : transparent Altuglas.
- Liquid column : inclined in pyrex glass calibrated to 1/100.
- Graduated slide strip : transparent Altuglas. thickness 2 mm.
- Zero adjustment by moving the graduated slide scale, travel 9 mm. Secured by knurled, nickel-plated brass screw.
- Horizontal positioning by integral spirit level.
- Manometer liquid : AWS 10 red oil, density 0,867 at 20°C.
- Reservoir capacity : 20 ml.
- Connection : Ø 6,2 mm ribbed, nickel-plated brass connectors, 1/8 gas thread.
- Connection : Ø 5 x 8 mm semi-rigid clear tube.

DIMENSIONS

REFERENCE	Lenght	Width	Height
LABO 250	440 mm	120 mm	120 mm
LABO 500	430 mm	120 mm	150 mm
LABO 1000	600 mm	130 mm	250 mm

Cases dimensions :

MANO LABO 250 case: 500 x 170 x 170 mm
MANO LABO 500 case : 500 x 170 x 215 mm
MANO LABO 1000 case : 650 x 170 x 275 mm

MOUNTING

Set horizontally using the integral level and the knurled adjusting screw. Unscrew the connector on the reservoir and slowly pour the manometer liquid to the level of the zero point on the scale. Fit the connector without overtightening. Connect the manometer with the Ø 5 x 8 mm crystal tube to the pressure or vacuum source to be checked.

NOTE :

- For a pressure measurement : connect the crystal tube to the left-hand connector (+).
- For a vacuum measurement : connect the crystal tube to the right-hand connector (-).
- For a differential pressure measurement : Connect the highest pressure to the left-hand connector (+) and the lowest pressure to the right-hand connector (-).

MAINTENANCE : LABO manometers require no special maintenance other than simply changing the reading liquid once a year.

www.kimo.fr

EXPORT DEPARTMENT

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