KIMO INSTRUMENTS

Technical Data Sheet

Pressure / Temperature / Humidity / Air Velocity / Airflow / Sound level

VH series
INCLINED LIQUID COLUMN MANOMETERS

Pressure / Depression

The VH range of inclined liquid column manometers, developed and manufactured by KIMO, measure slight variations in pressure, depression or differential pressure of air or gas.
They are particulary recommended for checking clogging of filters in the ventilation and dust elimination industry.

KEY POINTS

- **Horizontale V-shaped liquid column.**
- **Dual measuring range**
- **Different sensitivity on the two measuring ranges**
- **Zero adjustment via float**
- **Compact dimensions**
- **Integrated spirit level for adjusting horizontality**
- **Supplied with a white PVC support, 2 screws and 2 rawlplugs, two 487 connectors and a bottle of AWS 10 liquid.**

MEASURING RANGE

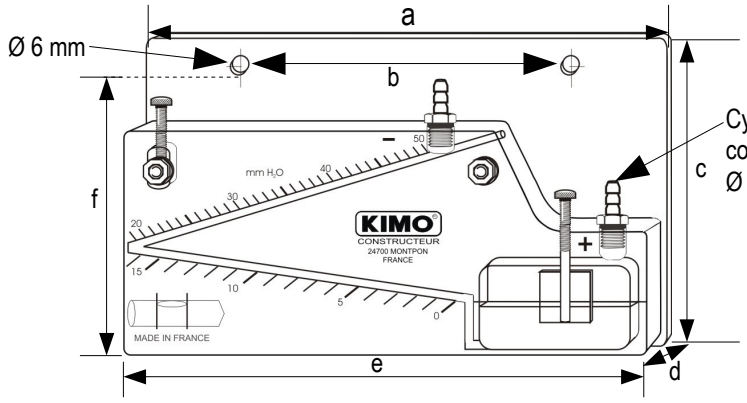
Reference	Measuring range						Sensitivity scale For 1 mm CE or 10 PA		Resolution
	mm CE			Pascal					
	Total	1st column	2nd column	Total	1st column	2nd column	1st column	2nd column	1st and 2nd column
VH 50	0 – 50	0 – 16	19 – 50	0 – 500	0 – 160	190 – 500	7 mm	3.5 mm	1 mm CE or 10 Pa
2700	0-35								

The VH 50 also exists in DaPa.

TECHNICAL FEATURES

Recommended range of use	From +5 to +30°C
Possible range of use	From -30 to +60°C
Maximum static pressure	1 bar
Manometer body	Transparent 15 mm thick Altuglas.
Liquid column	Entirely bored in the solid block, Ø 4 mm.
Graduation	Directly silk-screened onto the rear face.
Zero adjustment	By moving the Altuglas float and the milled, nickel-plated brass screw, travel 10 mm.
Positioning	Horizontal positioning via integrated spirit level and milled, nickel-plated brass adjusting screw, vertical travel 12 mm.
Manometric liquid	AWS 10 red oil, density 0.87 at 15°C.
Reservoir capacity	20 ml
Connection	Ø 5x8 mm semi-rigid crystal tube, on Ø 6.2 mm ribbed, nickel-plated brass connectors, 1/8 gas thread.
Wall-mount	With or without white PVC support.

DIMENSIONS



Reference	VH 50	2700
a	188 mm	180 mm
b	120 mm	120 mm
c	112 mm	95 mm
d	25 mm	
e	182 mm	
f	101 mm	
Weight	380 g	

MOUNTING

1. **Mount** the manometer on a wall or a vertical partition wall with two maximum **Ø 5 screws.**
2. **Set horizontality** by using the integrated level and the milled adjusting screw.
3. **Unscrew** the connector on the reservoir and **slowly pour the manometric liquid** to zero point on the graduation.
4. **Remount** the connector without overtightening.
5. **Connect** the manometer with the **Ø 5x8 mm** crystal tube to the pressure or depression source to be checked.

NOTE :

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

MAINTENANCE :

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

www.kimo.fr

Distributed by :

AFAQ ISO 9001

EXPORT DEPARTMENT
Tel : + 33. 1. 60. 06. 69. 25 - Fax : + 33. 1. 60. 06. 69. 29
e-mail : export@kimo.fr