





INCLINED LIQUID COLUMN MANOMETERS



KX series

Pressure / Depressure

The KX range of inclined liquid column manometers, developed and manufactured by Sauermann, measure slight variations in pressure, depression or differential pressure of air or gas. They are for use in the following applications: treatment of air, ventilation, air conditioning, heating, dust elimination...



Scale with centered zero



Possibility for measuring positive and negative pressures



Zero adjusting by moving the slide strip



Integrated spirit level for adjusting horizontality

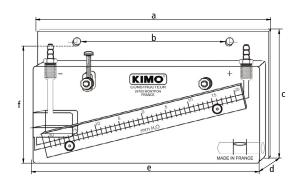
Measuring range

Reference	Measuring range		Sensitivity scale	Resolution
	mm H ₂ O	Pascal	For 1 mm H ₂ O or 10 Pa	Resolution
KX 205	25 - 0 - 25	250 - 0 - 250	3 mm	1 mm H ₂ O or 10 Pa
KX 404	40 - 0 - 40	400 - 0 - 400	2.5 mm	1 mm H ₂ O or 10 Pa

General 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 15 mm thick Altuglas		
Liquid column	Entirely bored in the solid block, Ø 4 mm		
Graduated slide strip	Transparent Altuglas. Cross-section 20 x 2 mm		
Zero adjustment	By moving the graduated slide strip, travel 20 mm. Fixed via milled, nickel-plated brass screw		
Positionning	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	\emptyset 5 x 8 mm semi-rigid crystal tube, on \emptyset 6.2 mm ribbed, nickel-plated brass connectors, 1/8 gas thread		
Wall-mounted	With or without white PVC support		

Dimensions



Reference	KX 205	KX 404
a	178 mm	219 mm
b	110 mm	151 mm
С	117 mm	154 mm
d	25 mm	25 mm
e	174 mm	215 mm
f	109 mm	129 mm
Weight	420 g	660 g

Mounting

- 1. Mount on a wall or a vertical partition wall with two maximum Ø 5 x 25 mm screws (supplied).
- **2. Set horizontality** 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 **5** x **8** 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: KX manometers require no special maintenance other than simply changing the reading liquid once a year.



