

## GF series VERTICAL LIQUID COLUMN MANOMETERS

Pression / Dépression



### KEY POINTS

The GF range of vertical liquid column manometers, developed and manufactured by KIMO, are mainly for checking pressures in gas networks within measurement ranges which vary according to the type of manometric liquid used : **VF 1** or **MERCURY**.  
(See table below)

- "U"-shaped column for measuring consecutively positive and negative pressures
- Measurement by addition of values read on each column
- For fixed and portable use
- Zero adjustment by moving the slide strip
- Possibility of resisting static pressures over 10 bars
- Altuglas column sunk into the solid block
- Comes with bottle of liquid, 2 screws and rawplugs

### MEASURING RANGE

	Reference	Measuring range		Resolution	
		mm CE	mbar	mm CE	mbar
<b>VF1 LIQUID</b>	<b>GF 500</b>	250 – 0 – 250	25 – 0 – 25	1	0,5
	<b>GF 1000</b>	500 – 0 – 500	50 – 0 – 50		
	Reference	Measuring range		Resolution	
		mm HG	mbar	mm HG	mbar
<b>MERCURY</b>	<b>GF 68</b>	250 – 0 – 250	340 – 0 – 340	1	5
	<b>GF 94</b>	350 – 0 – 350	470 – 0 – 470		
	<b>GF 134</b>	500 – 0 – 500	670 – 0 – 670		

## TECHNICAL FEATURES

<b>Recommended range of use</b>	From +5 to +30°C
<b>Possible range of use</b>	From -30 to +60°C
<b>Maximum static pressure</b>	14 bars
<b>Manometer body</b>	20 mm thick PVC
<b>Liquid column</b>	Tube Ø 4 X 10 mm in altuglas for mercury Tube Ø 6 X 10 mm for VF1
<b>Graduated slide strip</b>	Transparent altiglas. Cross-section 54 X 3 mm
<b>Zero adjustment</b>	By moving the graduated slide strip, travel 20 mm. Fixed via milled, nickel-plated brass screw
<b>Manometric liquid</b>	VF1 liquid, density 13,545 or mercury, density 1
<b>Connection</b>	Ø 5x8 mm semi-rigid crystal tube on Ø 6.2 Delrin ribbed connectors with M 7x100 thread.
<b>Wall mounting</b>	2 screws Ø 5 X 25 mm

## DIMENSIONS

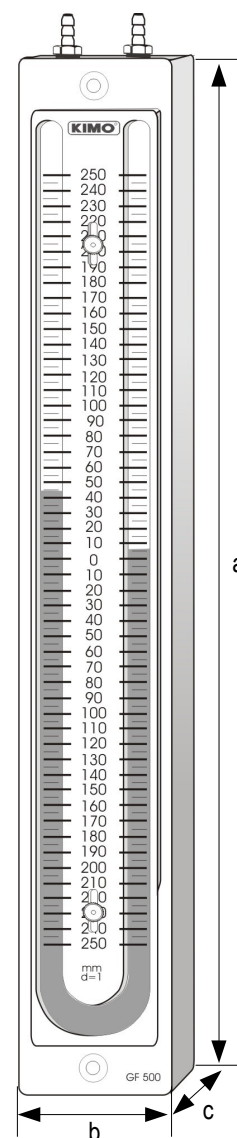
Ref.	GF 500	GF 1000	GF 68	GF 134
a	607 mm	1107 mm	607 mm	1107 mm
b	70 mm	70 mm	70 mm	70 mm
c	25 mm	25 mm	25 mm	25 mm
Distance between tubes	571 mm	1071 mm	571 mm	1071 mm
Weight	540 g	980 g	800 g	1450 g

## MOUNTING

1. **Mount** the manometer on a wall or partition wall with two maximum **Ø 5 x 25 mm** 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.

### Note :

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**.



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