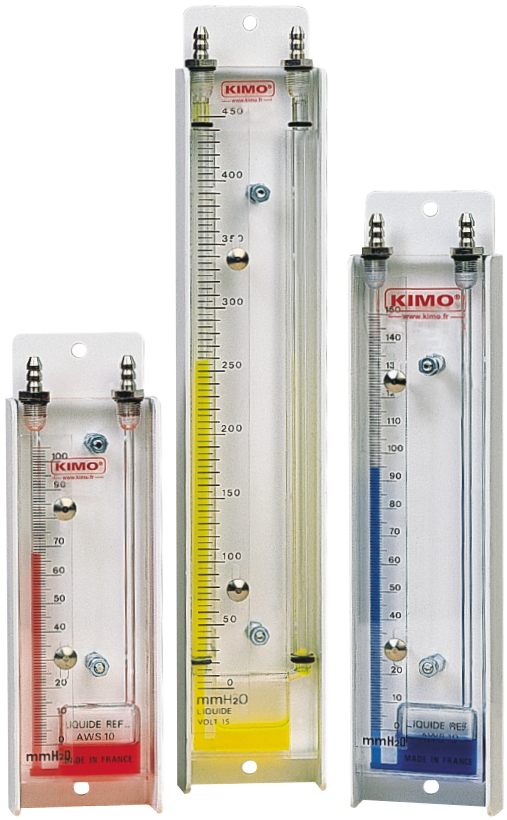


DATA SHEET

VERTICAL LIQUID COLUMN MANOMETERS

TJ series

Pressure / Depressure

The TJ range of vertical liquid column manometers, developed and manufactured by Sauermann, 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).

"J"- shaped column for direct measuring

Zero adjustment by moving the slide strip

For fixed use regardless of the manometric liquid used

For portable use with the TJ model using VOLT 1S liquid

Measuring range

			TJ 100	TJ 150	TJ 300	TJ 600	TJ 1000
AWS 10 liquid	Measuring range	mm H_2O	0 - 100	0 - 150	0 - 300	0 - 600	0 - 1000
	Measuring range	mbar	0 - 10	0 - 15	0 - 30	0 - 60	0 - 100
	Measuring range	Pa	0 - 1000	0 - 1500	-	-	-
	Resolution: 1 mm H_2O or 0.5 mbar						
			TJ 100	TJ 150	TJ 300	TJ 600	TJ 1000
VOLT 1S liquid	Measuring range	mm H_2O	-	-	0 - 650	0 - 1300	0 - 2150
	Measuring range	mbar	-	-	0 - 65	0 - 130	0 - 215
	Resolution: 5 mm H_2O or 1 mbar						

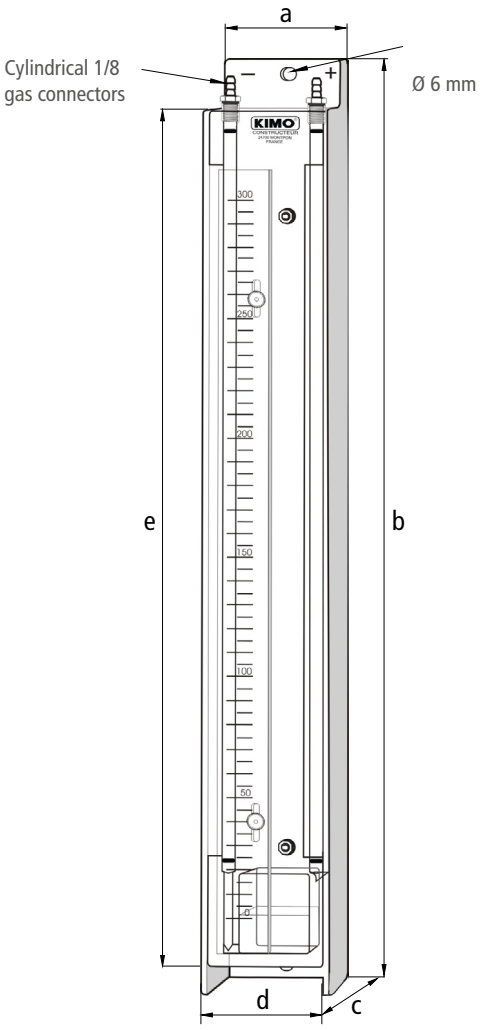
Supplied with a white PVC support, 2 screws and 2 rawlplugs, two 487 connectors and a bottle of liquid.

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	Ø 4 mm tube in extruded Altuglas
Graduated slide strip	Altuglas transparent. Section 23 x 3 mm
Zero adjustment	Moving the gratuated slide strip, travel 15 mm. Fixed in place 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 mm nickel-plated brass ribbed connectors
Wall-mounted	With or without white PVC support

Dimensions

Reference	TJ 100	TJ 150	TJ 300	TJ 600	TJ 1000
a	57 mm	57 mm	57 mm	57 mm	57 mm
b	185 mm	243 mm	430 mm	777 mm	1239 mm
c	25 mm	25 mm	25 mm	25 mm	25 mm
d	25 mm	52 mm	52 mm	52 mm	52 mm
e	147 mm	205 mm	492 mm	739 mm	1201 mm
Distance between tubes	171 mm	229 mm	416 mm	763 mm	1225 mm
Weight	290 g	310 g	450 g	790 g	1280 g



Mounting

1. Mount the manometer on a wall or partition wall with two maximum Ø 5 screws.
2. Unscrew one of the two connectors 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 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 (-)**