

TJ series
VERTICAL LIQUID
COLUMN MANOMETERS

Pressure / Depression

KEY POINTS

The TJ range of vertical liquid column manometers, developed and manufactured by KIMO, 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, VOLT 1S or MERCURY.

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



MEASURING RANGE

			TJ 100	TJ 150	TJ 300	TJ 600	TJ 1000
AWS 10 liquid	Measuring range	mm CE	0 – 100	0 – 150	0 – 300	0 – 600	0 – 1000
		mbar	0 – 10	0 – 15	0 – 30	0 – 60	0 – 100
	Resolution : 1 mm CE or 0.5 mbar						
VOLT 1S liquid	Measuring range	mm CE	–	–	0 – 650	0 – 1300	0 – 2150
		mbar	–	–	0 – 65	0 – 130	0 – 215
	Resolution : 5 mm CE or 1 mbar						
Mercury	Measuring range	mm HG	–	–	0 – 350	0 – 690	0 – 1160
		mbar	–	–	0 – 470	0 – 920	0 – 1550
	Resolution : 1 mm HG or 10 mbar						

TECHNICAL 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 boy	Transparent 15 mm thick Altuglas
Liquid column	Ø 4mm tube in extruded Altuglas.
Graduated slide strip	Transparent Altuglas. Cross-section 23 x 3 mm.
Zero adjustment	moving the graduated slide strip, travel 15 mm Fixed in place via milled, nickel-plated brass screw.
Reservoir capacity	20 ml
Manometric liquid	AWS 10 liquid, density 0.86 ; VOLT 1S liquid, density 1.86 or mercury, density 13.545
Connection	Ø 5x8 mm semi-rigid crystal tube on Ø 6.2 nickel-plated brass ribbed connectors (for manometers using AWS 10 or VOLT 1S liquid) or in Delrin (for mercury manometer), 1/8 gas thread.
Wall-mounted	With or without white PVC support.

DIMENSIONS

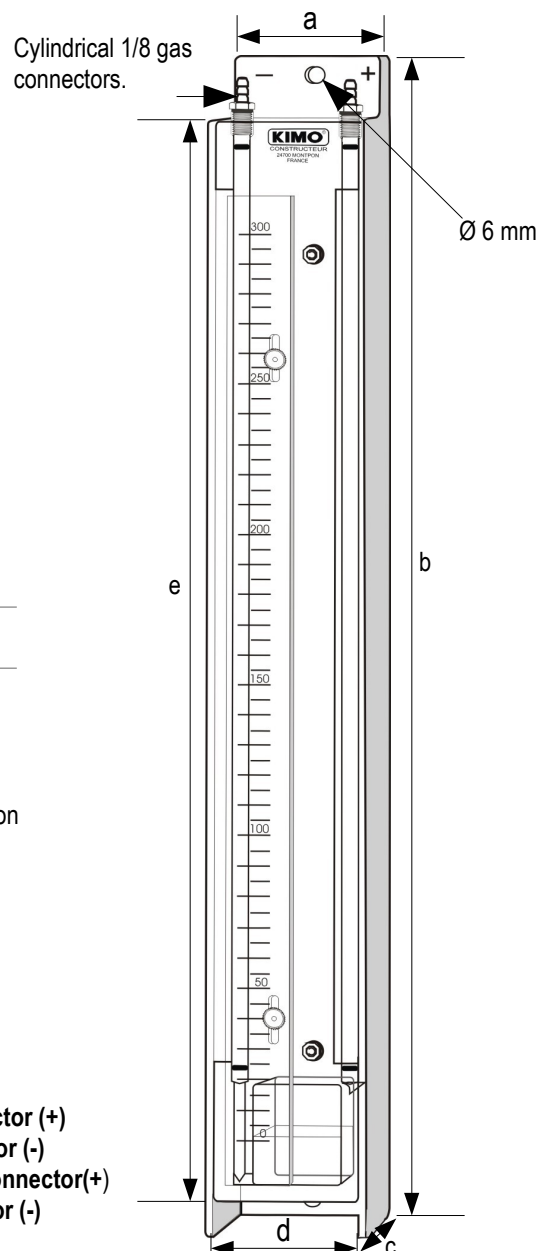
REF.	TJ 100	TJ 150	TJ 300	TJ 600	TJ 1000
a	57 mm	57 mm	57 mm	57 mm	57 mm
b	185 mm	243 mm	430 mm	777 mm	1239 mm
c	25 mm	25 mm	25 mm	25 mm	25 mm
d	52 mm	52 mm	52 mm	52 mm	52 mm
e	147 mm	205 mm	392 mm	739 mm	1201 mm
Distance between tubes	171 mm	229 mm	416 mm	763 mm	1225 mm
Weight	290 g	310 g	450 g	790 g	1280 g

MOUNTING

- Mount** the manometer on a wall or partition wall with two maximum Ø 5 screws.
- Unscrew** one of the two connectors and **slowly pour** the manometric liquid to zero point on the graduation.
- Remount** the connector without overtightening
- 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 (-)**



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