

Manometer

User Manual

I. Introduction

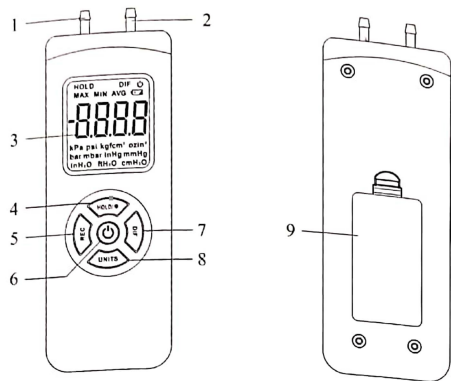
This instrument can measure the air pressure of the single pipe, or differential pressure of two pipes. It is suitable for measuring of ventilation and air conditioning systems, and widely used for gas measurement, calibration, and any troubleshooting of any gas pressure systems.

II. Features and Specification

Units	Range	Resolution	Units	Range	Resolution
kPa	13.78	0.01	inHg	4.07	0.001
psi	2	0.001	mmHg	103.4	0.1
kgfcm ²	0.14	0.001	inH ₂ O	55.35	0.01
ozin ²	32	0.01	ftH ₂ O	4.613	0.001
bar	0.137	0.001	cmH ₂ O	140.6	0.1
mbar	137.8	0.1			

1. Selectable Pressure Range: ± 2 psi
2. Accuracy: $\pm 0.3\%$ FSO (at 25°C)
3. Repeatability: $\pm 0.2\%$ (Max $\pm 0.5\%$ FSO)
4. Linearity/Hysteresis: $\pm 0.29\%$ FSO
5. Response Time: 0.5 Seconds
6. Over Range Indicator: Hi
7. Under Range Indicator: Lo
8. Operating Conditions: 0 to 50°C (32 to 122°F)
9. Storage Conditions: -10 to 60°C (14 to 140°F)
10. Battery: 9V battery (not included)
11. Dimension: 165 X 80 X 45mm
11. Weight: 220g

III. Product Description



1. Tube Connector (+)
2. Tube Connector (-)
3. LCD Display
4. HOLD/Backlight button
5. REC Button
6. Power on/off Button
7. DIF Button
8. UNITS Button
9. Battery Cover



1. Data Hold Function
2. Differential Pressure Mode
3. Power Symbol
4. MAX/MIN/AVG
5. Low Battery Symbol
6. Pressure Units

IV. Operation

1. Power
 Press **Power on/off** button to turn power on or off. The meter will auto power off in 10 minutes without any operation.
 Press **HOLD** button and **Power on/off** button together to open the meter, the **Power** symbol will appear on the display. The meter won't auto power off until the battery use up.

2. Data Hold Function
 Press the **HOLD** button to freeze the reading momentarily. Press the **HOLD** button again to return the normal operation.

3. Record Function

When turn on the instrument, it already starts recording the MAX/MIN/AVG reading. Press the **REC** button to display the Max reading, Min reading, AVG reading and return the normal in turn.

4. Backlight

Press the **HOLD/Backlight** button more than 2s to open and close the backlight.

5. Unit Selection

Press the **UNITS** button to choose the suitable unit.

6. Over Range

HI symbol will appear on the display when the pressure value over the Max range
LO symbol will appear on the display when the pressure below the MIN range

7. Replace Battery

When the Low Battery Symbol appear on display, it need replace the new 9V battery.

8. Calibration

Hold on **REC** and **DIF** button together and then press Power on/off button to open the meter, it will enter the calibration method directly:

a. Zero Adjust

Press **REC** and **DIF** at the same time, the reading will be -00.00.

b. Data adjust

After adjust Zero, input a standard pressure (kPa), and then adjust the reading the same as the standard pressure value.

- REC** button = Move left
- DIF** button = Move right
- HOLD** button = Reading plus one
- UNITS** button = Reading subtract one

Customers can according to above calibrate method to recalibrate the meter when found the reading is false.