

Manometer

User Manual

I. Introduction

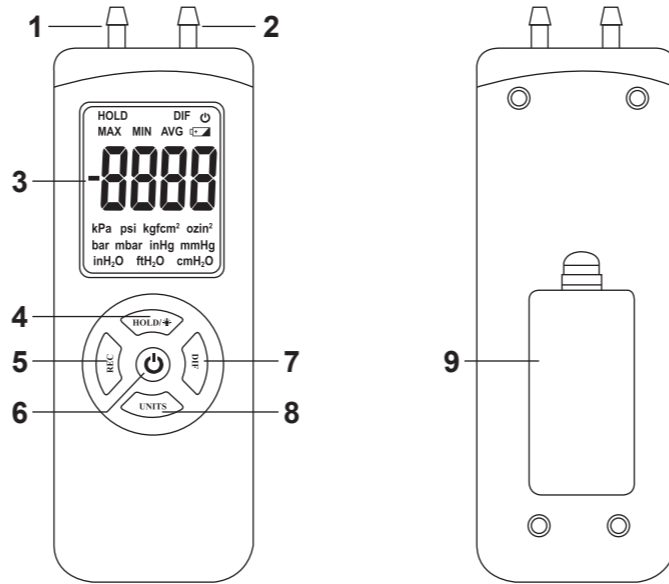
This instrument can measure the air pressure of the single pipe, or differential pressure of two pipes. Its is suitable for measuring of ventilation and air condition systems, and widely used for gas measurement, calibration, and any trouble shooting of any gas pressure systems.

II. Features and specification

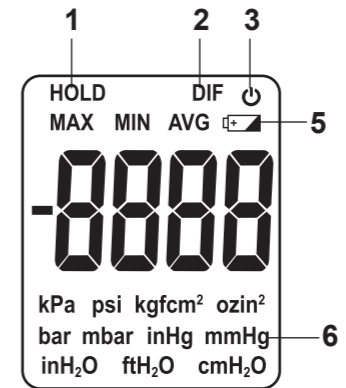
Units	Range	Resolution	Units	Range	Resolution
kPa	13.78	0.01	inHg	4.07	0.001
psi	2	0.001	mmHg	103.4	0.1
kgfcm ²	0.14	0.001	inH ₂ O	55.35	0.01
ozin ²	32	0.01	ftH ₂ O	4.613	0.001
bar	0.137	0.001	cmH ₂ O	140.6	0.1
mbar	137.8	0.1			

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 180 x 45 mm
12. 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 auto power off is now disable.

2. Data Hold Function

Press the **HOLD** button to freeze the reading momentarily. Press the **HOLD** button again to return to the normal operation.

3. Record Function

When turn on the instrument, it is already starting to record the MAX/MIN/AVG reading.

Press the **REC** button to display the Max reading, Min reading, AVG reading and return to the normal measurement.

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 is over the Max range

LO symbol will appear on the display when the pressure value is below the Min range

7. Replace Battery

When the Low battery symbol appear on the display, it need to replace to 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 use according to the above calibration method to recalibrate the meter when found the reading is false.