



SJ PRMD



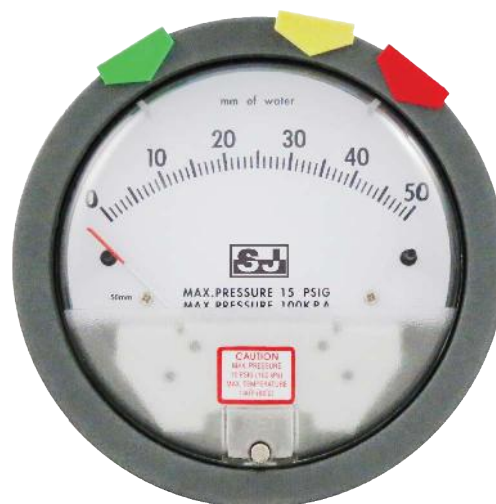
**LOW PRESSURE
DIFFERENTIAL
METER**

Low Differential Pressure Gauge

Model: PRMD

Product Description

- Measures the small pressure difference between two pressure sources
- Only suitable for measuring gases, can not measure liquid
- Used in hospitals, laboratories, factories, gas stations and storage tanks
- Same specifications as Series 2000 magnehelic®



Product Specification

Nominal size

4.5"

Window

Acrylic

Scale ranges

0 ... 3 mmH₂O to 0 ... 5000 mmH₂O,
or other equivalent units of pressure
or compound

Case/Ring

Die-cast aluminum

Accuracy

±2% F.S. to ±4% F.S., upon scale
range

Pressure limitation

-20 inHg ... 15 psi

Medium temperature

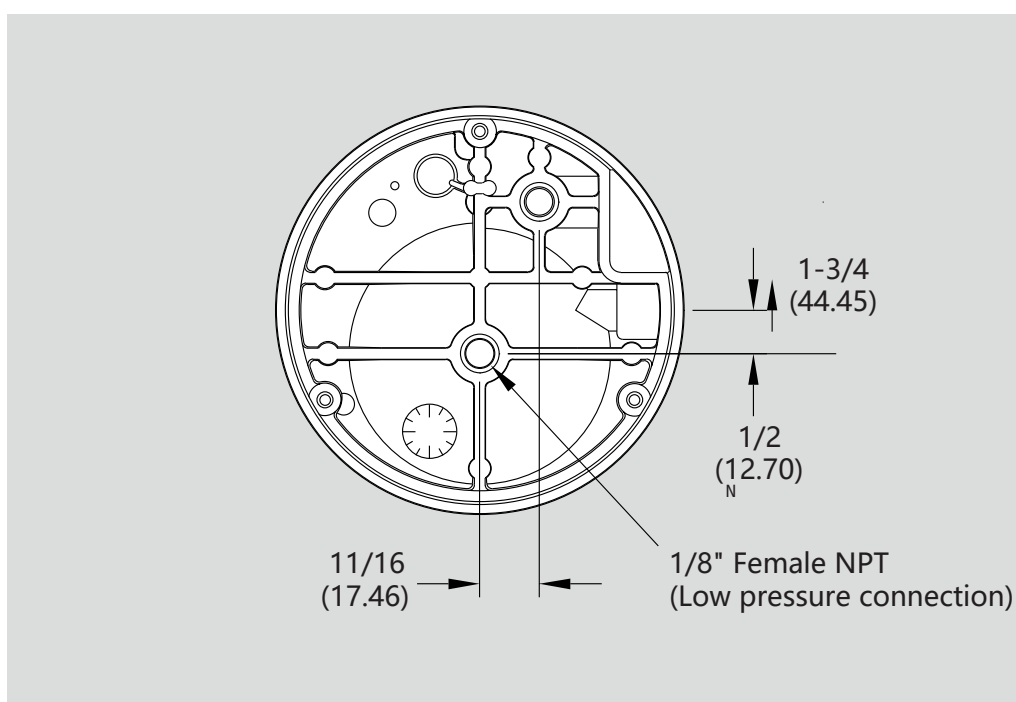
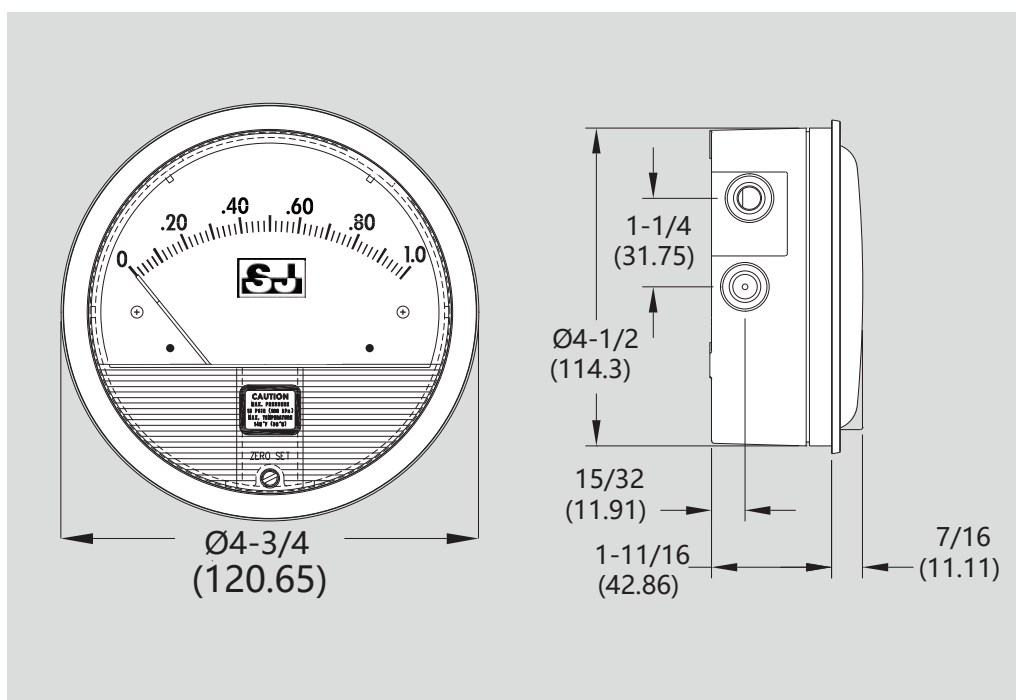
-7°C ... 60°C

Process connection

1/8" female NPT



Dimensions



Accessories



Accessory kits (standard)

Screws, connection fittings



Option

Pipe mounting plate



Option

Stainless steel flush mount bracket A



Option

Stainless steel flush mount bracket B

※ **Ordering information**

Model / Scale range / Accessory / Options

For any changes to the specifications of this catalogue, the latest version shall prevail.





Measurement Operation

- Positive pressure:
Please plug one of the two high pressure holes, connect the other high-pressure hole with the pipeline to be measured, and do not plug the other two low-pressure holes to balance with the atmospheric pressure.
- Negative pressure:
Please plug one of the two low pressure holes, connect the other low-pressure hole to the pipeline to be measured, and the other two high-pressure holes are not plugged, and balance with the atmospheric pressure.
- Differential pressure:
Install the differential pressure gauge on the U-clamp. There are high and low pressure holes on the back and sides of the gauge. If you want to take over the measurement from the side, the two holes on the back need to be plugged with the screw plugs of the accessory kit. If you want to measure from the back, perform the reverse operation.

Accessory

- Standard accessories:
 1. Red, green and yellow adjustable warning pointer
 2. 1/8"NPT Hole plug x2
 3. Two connectors, one end is 1/8"NPT, the other end is PU hose
 4. Long and short thread x3
- Purchase accessories:
Round back plate, stainless steel U-clamp, stainless steel L mount bracket

Maintenance method

- No lubrication or regular maintenance is required. Keep the housing and upper cover clean. Occasionally untie the pressure line to vent both sides of the gage to the atmosphere and reset it to zero. The optional exhaust valve should be used for permanent installation. The PRMD series cannot be repaired on site and should be returned if repair is required (onsite repair should not be attempted, which may invalidate the warranty). Be sure to provide a brief description of the problem and any related application instructions. Please contact customer service before shipping.

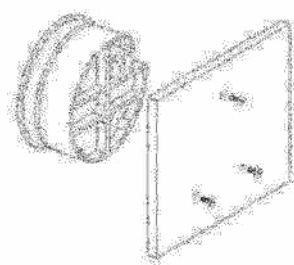
Other matters attention

- Choose a working environment where the temperature does not exceed 140° F (60° C). In addition, please be sure to avoid direct sunlight, otherwise it will accelerate the discoloration of the transparent plastic cover. The plastic hose can be lengthened according to the needs of use. Longer pipe lengths will not affect accuracy, but will slightly increase response time. If the pulsating pressure or vibration causes the pointer to vibrate too much, please consult the factory to provide additional damping.
- Overpressure protection:
The standard differential pressure gauge has a maximum rated pressure of 15 psig and should not be used beyond this limit. The model uses a rubber plug at the rear. When the pressure reaches about 25 psig, the red rubber plug at the rear will pop open.
- Zero adjustment:
After vertical installation, there is a ZERO SET on the differential pressure gauge, which can be adjusted to zero.

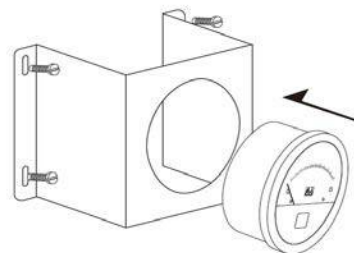


Installation Instructions

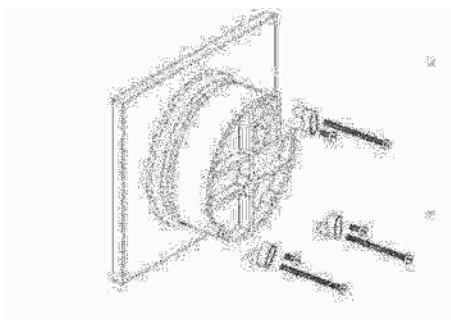
■ Flat mounting type



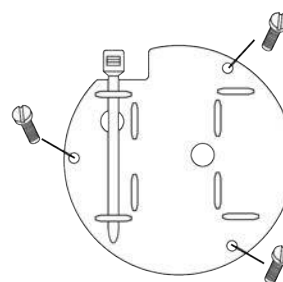
■ U-clamp



■ Embedded



■ Round back version installation type



4ManPro

*Elements For
Manufacturing Processes*



MEXICO BRANCH OFFICE

Roberto Diaz No. 401
Ciudad Industrial
Aguascalientes, Ags.
México
20290

4ManPro@4ManPro.com
(449) 171 3420
www.4ManPro.com/SPA/



USA BRANCH OFFICE

Pennzoil Place
700 Milam
Suite 1300
Houston, Tx, USA
77002

4ManPro-USA@4ManPro.com
+1 (832) 871 5022
www.4ManPro.com/ENG/

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