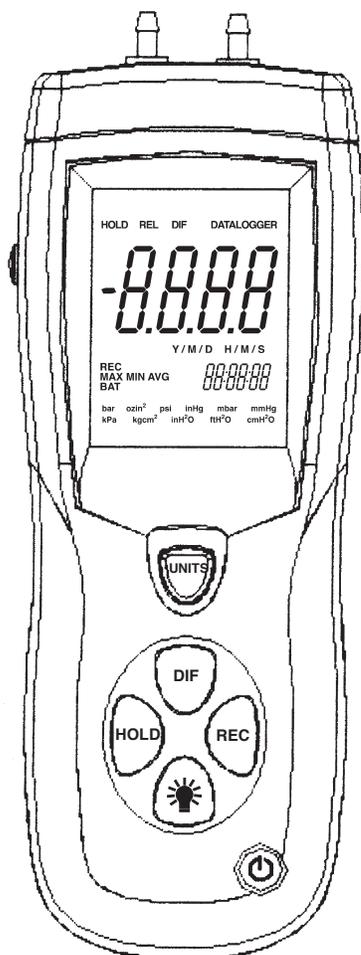




Dual Port Manometer



BUTTONS



= Power ON or OFF.



= Switch between: inH₂O, psi, bar, mbar, kPa, inHg, mmHg, ozin², ft H₂O, cmH₂O, or kgcm² units of measure.



= Record times when maximum, minimum, and average values occur.



= Freeze and unfreeze display readings.



= Displays differential pressure measurement.



= Press once to turn ON backlight. Turns OFF automatically after 40 seconds.

FEATURES

- Measures gauge or differential pressure up to ±2 psi (± 55.4 inH₂O).
- Eleven selectable units of measure: inH₂O, psi, bar, mbar, kPa, inHg, mmHg, ozin², ft H₂O, cmH₂O, kgcm².
- Additional features include: Data hold, selectable auto shutdown, and recording of times when maximum, minimum, and average values occur.

SPECIFICATIONS

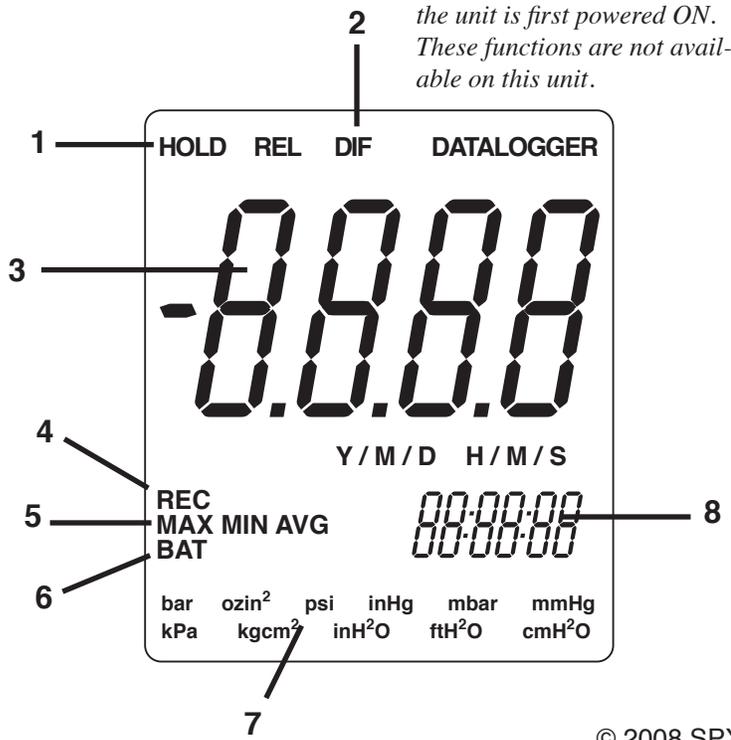
Function	Range	Resolution	Function	Range	Resolution
inH ₂ O	55.40	0.01	ozin ²	32.00	0.01
psi	2.000	0.001	ftH ₂ O	4.612	0.001
mbar	137.8	0.1	cmH ₂ O	140.6	0.1
kPa	13.79	0.01	kgcm ²	0.140	0.001
inHg	4.702	0.001	bar	0.137	0.001
mmHg	103.4	0.1			

Display.....LCD
 Accuracy.....±0.3% Full Scale Output (25 °C)
 Repeatability.....±0.2% (Max.+/-0.5% Full Scale Output)
 Linearity/Hysteresis±0.29% Full Scale Output
 Pressure Range.....± 2 psi
 Maximum Pressure.....10 psi
 Response Time.....0.5 seconds typical
 Over Range IndicatorErr.1
 Under Range IndicatorErr.2
 Operating Conditions.....0 to 50 °C
 Storage Conditions.....-10 to 60 °C
 Power Supply1 x 9V Battery

Note: REL, DATALOGGER, and Y/M/D functions will display on the LCD only when the unit is first powered ON. These functions are not available on this unit.

DISPLAY ELEMENTS

1. Hold Function
2. Differential Mode
3. Primary Data screen
4. Record Mode
5. MAX/MIN/AVG
6. Low Battery indicator
7. Pressure Unit indicator
8. Relative Time Clock



OPERATING INSTRUCTIONS

POWER

1. Press  to power the manometer ON or OFF. When turned ON, the manometer will perform a short self-test, then defaults to the setting used during the last operation.

ZERO ADJUST AND OFFSET

1. Before use and without fittings attached to the meter, press the **HOLD** button for longer than two seconds to zero the meter. The meter will reset, displaying “0000” from right to left. Then the display shows **0.000**.
2. If it is desired to offset the meter and display, press the **DIF** button while taking a measurement. Subsequent readings will be the difference between the current measurement and the measurement that was on the display when the **DIF** button was pressed.

DATA HOLD

1. Press the **HOLD** button momentarily to freeze the displayed reading. The HOLD icon will appear in the upper left corner of the display. If the pressure value is over the range an error code will display. Press the HOLD button again to return to normal operation.

RECORD

The MAX/MIN mode allows the user to view only the highest (MAX), lowest (MIN), or average (AVG) readings with relative time stamp.

1. Press the **REC** button once. REC will appear on the display. All other functions are locked out except for power and backlight. The relative time clock also appears in the secondary display and starts counting.
2. Press the **REC** button again and MAX appears on the display. The display now shows the maximum pressure and relative time that it was recorded.

3. Press the **REC** button to display the minimum (MIN) reading with the relative time.
4. Press the **REC** button to display the average value (AVG) reading with the relative time.
5. Press the **REC** button again to continue recording MAX/MIN/AVG measurements.
6. To exit the MAX/MIN/AVG mode and return to normal operation, press the **REC** button for at least three seconds.

BACKLIGHT DISPLAY

Press the  button to turn the display backlight ON. It will remain ON for forty seconds.

AUTOMATIC SHUTDOWN

The manometer will automatically shutdown after twenty minutes to conserve battery life. To disable Auto Shutdown, hold down the **HOLD** button and press the  to power ON the manometer. An “n” will appear in the display indicating that Auto Shutdown is disabled. The manometer will return to normal operation when it is powered OFF.

ERROR CODES

An error message will display if the manometer fails an internal diagnostic test. An error message freezes all function buttons.

1. Err.1: Pressure value is over the range.
2. Err.2: Pressure value is under the range.
3. Err.3: DIF function, the differential pressure value is over range.
4. Err.4: DIF function, the differential pressure value is under range.

MAINTENANCE

REPLACING THE BATTERY

1. The thermometer must be OFF when changing the battery. Press the  to power OFF the thermometer.
2. On the back side of the thermometer, locate the  symbol.
3. While holding the thermometer, place your thumb on the . With gentle pressure push downward and pull backward; the battery cover will begin to open. Use your other hand to grasp the cover and pull downward. Lift cover up and off.
4. Lift out the 9-volt battery and disconnect it from the connector.
5. Connect a new 9-volt battery and place it into the battery cavity.
6. Replace the battery cover by setting it over the battery and pushing upward until it snaps into place.
7. Dispose of the old battery according to local, state, and federal regulations.



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WARRANTY

This product has been produced to provide unlimited service. Should it become inoperable after the user has performed the recommended maintenance, a no charge repair or replacement will be made to the original purchaser. This applies to all repairable units that have not been damaged or tampered with. The claim must be made within **One Year** of the date of purchase.