OPERATING INSTRUCTIONS
MODEL: 380 CE
MANOMETER

MANOMETER

H MAX

-1.8.8.8

OFF 0.01" 0.1" OFF

UNIT: inch WC

☼   ZERO

HOLD   MAX
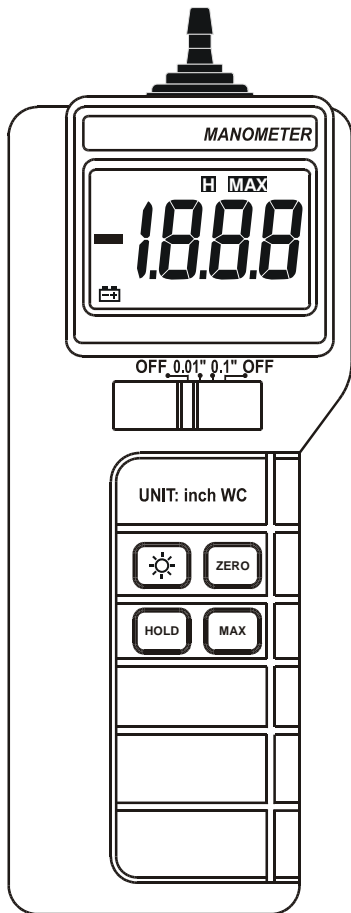
SPECIFICATIONS
GENERAL
Display:
3 1/2 digit liquid crystal display (LCD). With maximum reading of 1999.

Low battery indication:
The "▭" is displayed when the battery voltage drops below the operating level.

Operating Temperature:
32 to 105 °F.

Operating relative humidity:
15 to 90%RH, non-condensing.

Storage Temperature:
-4°F to 140°F (-20°C to 60°C), 0 to 80% R.H. with battery removed from meter.

Battery:
Standard 9V battery (NEDA 1604, IEC 6F22)

Battery Life:
200 hours typical with carbon zinc battery.

Dimensions:
173.5mm(H) x65.5mm(W) x35mm(D).

Weight:
Approx: 178g including battery.

ELECTRICAL
Sensor: Solid State
Range: 0-140" water column
Resolution: 0.01" / 0.1"
Accuracy: ±2.0% full scale
(At operation temperature 65°F ~ 82°F)
Temperature coefficient:
±0.15% full scale change in accuracy per °F for operation temperature above 82°F or below 65°F.

WARNING
Avoids gauging to the ignitability and the caustic gas, otherwise the gas sensor can damage.

OPERATION MANUAL
1. On/Off and Unit Selection:
This is a 4 position switch. Setting the switch at right or left position turns off the meter. Slide the switch to middle position to turn on the meter and select the unit as 0.1" or 0.01" of water column respectively.

2. Hold the measured value:
Press the "H" button to hold the figure shown in the display at that moment. An indication "H" shown at the top of the display. To release the holding press the button again.

3. Max value of a changing pressure:
Press the "MAX" button, "MAX" indication shown at the top of the display. The meter hold the maximum value measured. To release the holding press the button again.

4. Zeroing:
There are 2 purposes to "Zero" the meter.

4.1 When measuring a high pressure (close or over the range of the meter), the meter might not be able to return to Zero after the pressure removed.
Press the "ZERO" button to bring the meter back to zero.

4.2 To set a reference pressure as zero to measure a pressure relative to the reference.

5. Display Back-Light Button:
Press "☼" button to turn on the Back-Light. Press "☼" button again to turn off the Back-Light.

OPERATION
1. Set the function switch to the desired pressure range.
2. Press "ZERO" button for changing ambient temperatures disconnect 380 from hose and press "ZERO" button just before taking measurement.
3. Connect hose to pressure being measured.
4. Read the values from LCD.

MAINTENANCE
Battery Replacement
1. Power is supplied by 9V (NEDA 1604, IEC 6F22) battery.
2. The "▭" appears on the LCD display when replacement is needed. To replace the batteries, remove the two screws from the back of the meter and lift off the battery cover.
3. Remove the batteries from battery contacts.
4. When not use for long time remove battery.
5. Don't keep in place with high Temp. or high humidity.

Cleaning
Periodically wipe the case with a damp cloth and detergent, do not use abrasives or solvents.