## TROUBLE SHOOTING

1. Power on but no display
   a) Make sure the time of pressing "ON/OFF" key is more than 200 miniseconds(ms).
   b) Check the battery are in place and make sure they are at good contact and correct polarity.
   c) Replace with new batteries and try again.
   d) Move the batteries for ten seconds, then replace back again.

2. Display disappear
   a) Check whether the low battery indicator is displayed on or before display disappears. If yes, replace with new batteries.

# TRACEABLE®
# PRINTING
# MANOMETER/
# PRESSURE/
# VACUUM
# GAUGE
# (-100 TO 100 PSI)
# INSTRUCTIONS

Please refer to below for the difference of each measurement mode.

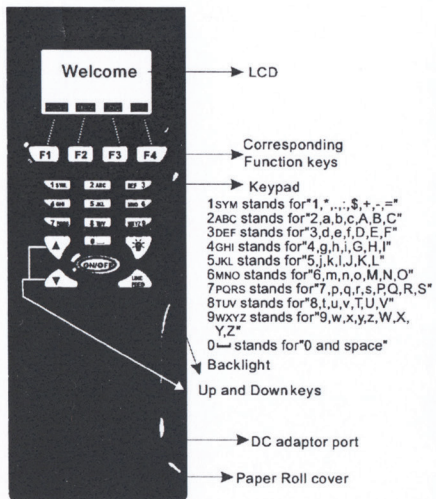| MEASUREMENT | DESCRIPTION | MEMORY POINT |
|---|---|---|
| Single Point Measurement | Single point measurement | No Memory |
| Multiple Point Measurement | File name editable multiple point measurement | 99 points |
| Automatic Logging | Programmable datalogging function | 12000 points |

Comparison table of multiple points and datalogging measurements

| | MULTIPLE POINT MEASUREMENT | DATALOGGING |
|---|---|---|
| RECORD | 99 points | At most 12000 points |
| FILE NAME | Editable or Default with date and time (Note 1) | Default (Note 2) |
| MEASURING / SAMPLING | Press "ON/OFF" key to measure and store by pressing specified keys | Automatically measure and store according to pre-set parameters (Note 3) |

Note 1: Each record is designed to show with current date and time if user doesn't edit any.
For example : If the file name is "05-06 09:21:51" means the date is 6th May (or 5th June , based on your data mode setting )and the time is 09:21:51.

Note 2: Each record is designed to show with the current date and time.
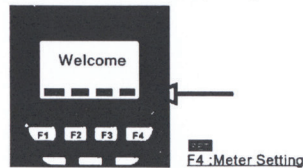
Note 3: a)To set up Begin-Date,Start-Time,End-Date,Suspend-time and sample rate from the meter.
b)Each meter starts to record from Begin-Date & time with specified sample rate until Suspend-time.
c)Automatically start again next day from Start-Time until End-Date.
d)Logging stops recording when End-Date or max. memory points is achieved.
e)Logging can be stopped and start again with the same setting.



- LCD
- Corresponding Function keys
- Keypad

1SYM stands for"1,",.,:,$,+,-,="
2ABC stands for"2,a,b,c,A,B,C"
3DEF stands for"3,d,e,f,D,E,F"
4GHI stands for"4,g,h,i,G,H,I"
5JKL stands for"5,j,k,l,J,K,L"
6MNO stands for"6,m,n,o,M,N,O"
7PQRS stands for"7,p,q,r,s,P,Q,R,S"
8TUV stands for"8,t,u,v,T,U,V"
9WXYZ stands for"9,w,x,y,z,W,X,Y,Z"
0↵ stands for"0 and space"

- Backlight
- Up and Down keys
- DC adaptor port
- Paper Roll cover

## METER SETTING

Before measuring, please check the meter setting first to confirm the basic settings of the meter are what you need.
To enter each command, just press the corresponding F1 to F4 key.



F4 :Meter Setting

- Pressing ▲ or ▼ key to shift the cursor.
- Pressing EDIT to enter modification mode.
- Pressing PRN to enter printing mode.
- Pressing NEXT/BACK to enter next or previous page.
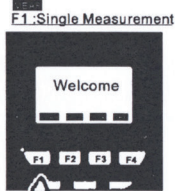- Pressing EXIT to return to main menu

Descriptions :

- LCD Cont.(1-5): LCD brightness. From darkest 1 to brightest 5
- Prn Cont. (1-9): Printing darkness. From lightest 1 to heaviest 9
- Unit: The unit could be metric or imperial / ˚C or ˚F
- Auto Off: The selectable time frame is 1 to 20 min.
- Set Clock: To choose the date mode and set your local time.
  Date mode:MM-DD-YY or DD-MM-YY or YY-MM-DD
- Set ID: If choose "Disable", the ID will not be printed out.
- ID: To edit an ID of this printer , the ID will be printed out at printing mode.
- Select item: To select which measured parameters need to be showed on the LCD. The unit of each parameter could be selected from here as well.

## SINGLE MEASUREMENT

There are three measurement modes :
1. Single measurement(MEAS)
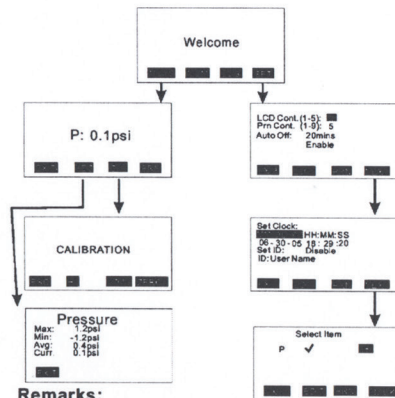2. Multiple measurement(MEM) and 3. Auto logging (LOG).

Operating the single measurement as a general meter.



F1 :Single Measurement

Definition
Press F1 (MEAS) to proceed single measurement

- After entering measurement mode , press F4 (PRN) to enter printing mode. The printing can be stopped any time by press F1(STOP or EXIT) key while it is printing .

- The printing contrast can be changed by pressing HIGH or LOW key.

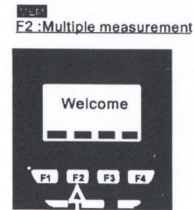Manometers Setting / Single measurement



### Remarks:
Press CAL to enter calibration mode.
Under the " REC" function. Curr. means the current value.
There are total 11 units could be selected under SET function.
The selectable units are psi/Inch of H2O/bar/mbar/mm of Hg/Inch of Hg/oz/inch2/Kg/cm2/kPa/Ft of H2O/cm of H2O
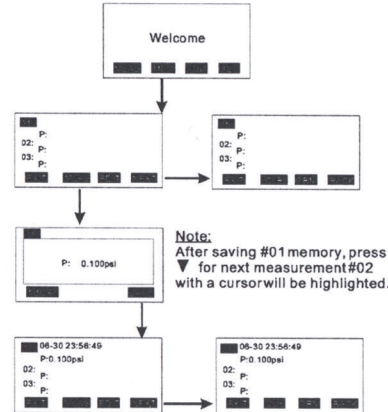
## MULTIPLE MEASUREMENT

This is to manually record what you measured with real time and file name (a note or identification for the record ) is editable to memorize or recognize .
There are total 99 memorize capacities in this measurement.



F2 :Multiple measurement

Definition

- Select F1(ABORT) or F4(SAVE) to exit the measurement or memory the record .

- Press F3 ( Edit ) to edit the file name of recorded value . While editing the file name, select from the keys 1SYM, 2ABC, 3DEF, 4GHI...., Press and hold one of the key to select from the displayed letters by releasing the key .

- Press CLR shortly to delete one data or press for over 2 seconds to delete the whole memory.

- Before printing, select the printing range by pressing EDIT key,then press START to print.
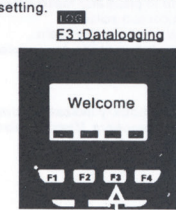
Manometer Multiple measurement



Note:
After saving #01 memory, press ▼ for next measurement #02 with a cursor will be highlighted.

### Remarks:
Press MEAS to see a real-time measurement values, then press ABORT without saving, press SAVE to store

Press CLR shortly to delete one data or press for over 2 seconds to delete the whole memory.
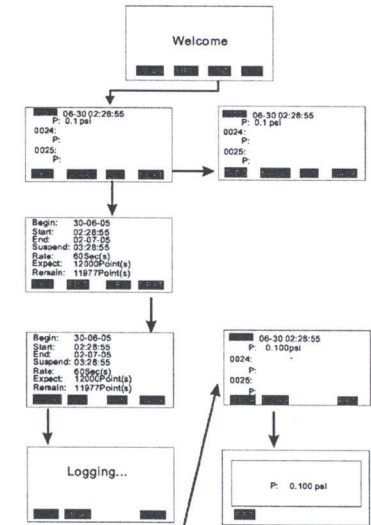
## AUTOMATIC LOGGING

This is to automatically record what you set up before measurement with real time, first to set records start/stop date and time, sample rate , memory points. The screen content shows Expect memory points and Remain memory points while in setting.



F3 :Datalogging

Definition

- Press SET to set needed setting first. The Date mode is based on the mode you set under SET (see page 10). The sampling rate is from 1 to 7200 seconds. "Expect" means total memory of this meter, "Remain" means how many memory left in meter.

- Press START to begin the logging function. While logging: Press VIEW to see the data ( more than one ) in the screen, or press MEAS to see a real-time data, or press STOP to quit logging.

- Press P-PG or N-PG to review previous or next 100 points. After stopping, press START to begin again. The sampling rate and previous record are remained if the previous setting has not been changed.

- "Suspend" is the stop time of each day during setting date. If you want to record 24 hours a day, you have to set : 00:00:00 as "Start" , and 23:59:59 as "Suspend" .

Manometer Datalogging



.Before logging, make sure you have set up the parameters by pressing SET key , or you will see a blank data .