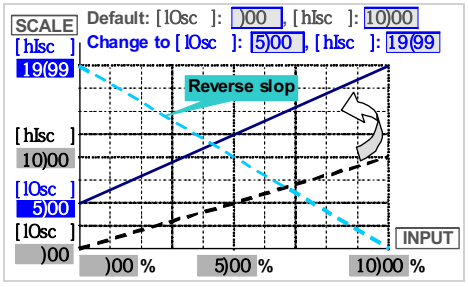
■ FUNCTION DESCRIPTION

Scaling function:

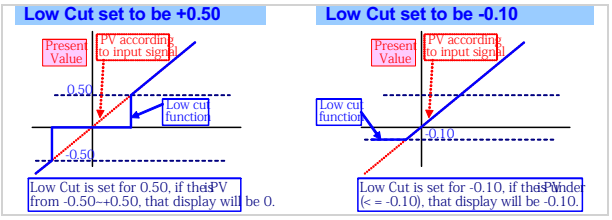
Setting the **[lOsc]** (Low scale) and **[hIsc]** (High scale) in **[input group]** to relative input signal. **Reverse scaling will be done too.** Please refer to the figure as below,



*Too narrow scale may course display lower resolution.

Low cut:

If the setting value is positive, it means when the absolutely value of PV ≤ Setting value, the display will be 0. If the setting value is negative, it means when the PV under setting value (PV≤ -Setting value), the display will be setting value.

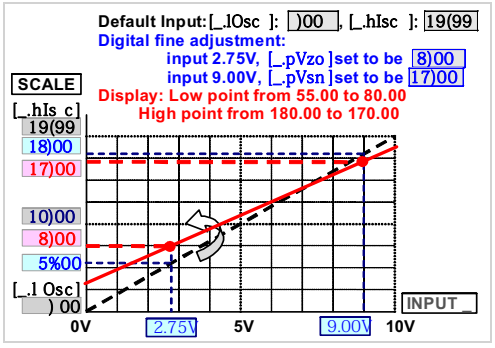


Digital fine adjustment:

Users can get Fine Adjustment for Zero & Span of PV by front key of the meter, and ?**Just Key In**?the value which user want to show in the current input signals.

Especially, the **[pVzro]** & **[pVspn]** are not only in zero & span of PV, but also any lower point for **[pVzro]** & higher point for **[pVspn]**. The meter will be linearization for full scale.

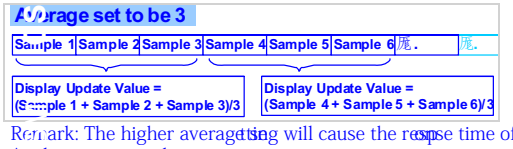
The adjustment can be clear in function **[ZSclr]**



Reading Stable Function

Average:

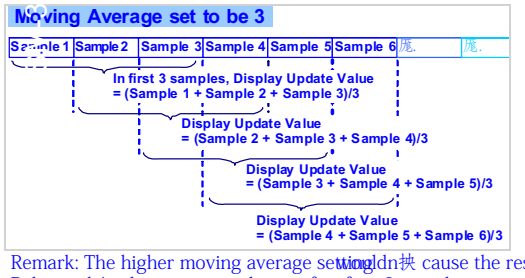
Basically, the sampling rate of meter is 15cycles/sec. If the function set to be 3 times, It means the meter will update of display will be 5 times/sec.



Remark: The higher average setting will cause the response time of Relay and Analogue output slower.

Moving average:

If the function to be set 3 times, the meter will update delay in first 3 samples, then it will update 15 times/sec continuously.



Remark: The higher moving average setting will cause the response time of Relay and Analogue output slower after first 3 samples.

Digital filter: The digital filter can reduce the magnetic noise in field.

■ ERROR MESSAGE

BEFORE POWER ON, PLEASE CHECK THE SPECIFICATION AND CONNECTION AGAIN.

SELF-DIAGNOSIS AND ERROR CODE:

DISPLAY	DESCRIPTION	REMARK
ovfl	Display is positive-overflow (Signal is over display range)	(Please check the input signal)
-ovfl	Display is negative-overflow (Signal is under display range)	(Please check the input signal)
ovfl	ADC is positive-overflow (Signal is higher than input 120%)	(Please check the input signal)
-ovfl	ADC is negative-overflow (Signal is lower than input -120%)	(Please check the input signal)
eep ⇄ fail	EEPROM occurs error	(Please send back to manufactory for repaired)
aiCng ⇄ pv	Calibrating Input Signal do not process	(Please process Calibrating Input Signal)
aic ⇄ fail	Calibrating Input Signal error	(Please check Calibrating Input Signal)
aoCng ⇄ pv	Calibrating Output Signal do not process	(Please process Calibrating Output Signal)
aoc ⇄ fail	Calibrating Output Signal error	(Please check Calibrating Output Signal)

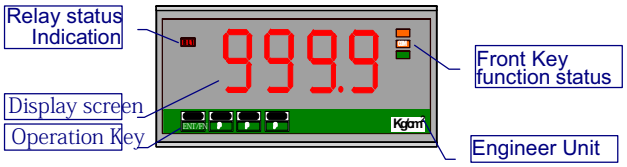
■ OPERATING KEY

***Please access to the Programming Level to check and set the parameters when users start to run the meter**

- **Operating Key: 4 keys for Enter(Function) / Shift(Escape) / Up key / Down key**
- **The meter has designed operation similar as PC's and Enter. In any page, press key means "enter" or "confirm setting", and press key means "escape(Esc)" or "shift".**
- **In Programming Level, the screen will return to Measuring Page after do not press any key over 2 minutes, or press for 1 second.**

	Function Index	Setting Status
(= FUN ENT) **Enter/Fun key**	(1) In any page, press to access the level or function index (2) From the function index to access setting status	(3) Setting Confirmed, save to EEProm and go to next function index
(= ◀) **Shift key**	(1) In measuring page, press for 1 second to access user level. (2) In function index, press for 1 second to go back upper level. (3) In function group index, press for 1 second to go back measuring page	(4) In setting status, press to Shift the setting position. (5) In setting status, press for 1 second to abort setting and go back this function index.
(= ▲) **Up key**	(1) In function index, press to go back to previous function index	(2) In setting status for function, press to select function (3) During number Setting, press can roll the digit up
(= ▼) **Down key**	(1) In Function Index Page, press will go to the next Function Index Page.	(2) In setting status for function, press to select function (3) During number Setting, press can roll the digit down.

■ FRONT PANEL

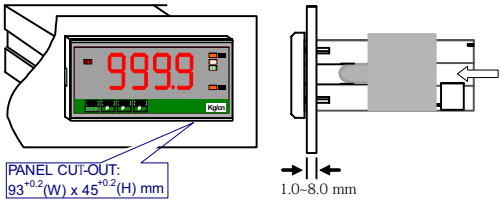


- **Numeric Screens**
  0.8(20.0mm) red high-brightness LED for 4 digital present values.

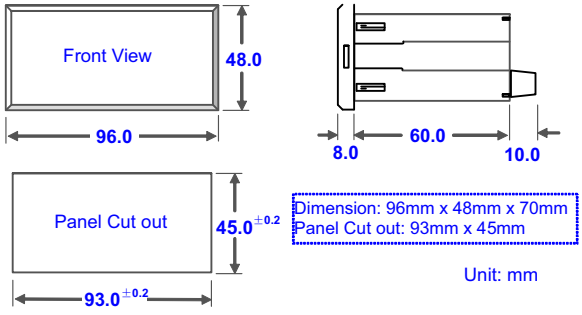
- **Operating Key: 4 keys for Enter(Function) / Shift(Escape) / Up key / Down key**
- **Pass Word: Settable range:0000~9999;**
  User has to key in the right pass word so that get into **[Programming level]**. Otherwise, the meter will go back to measuring page. If user forgets the password, please contact with the service window.

■ INSTALLATION

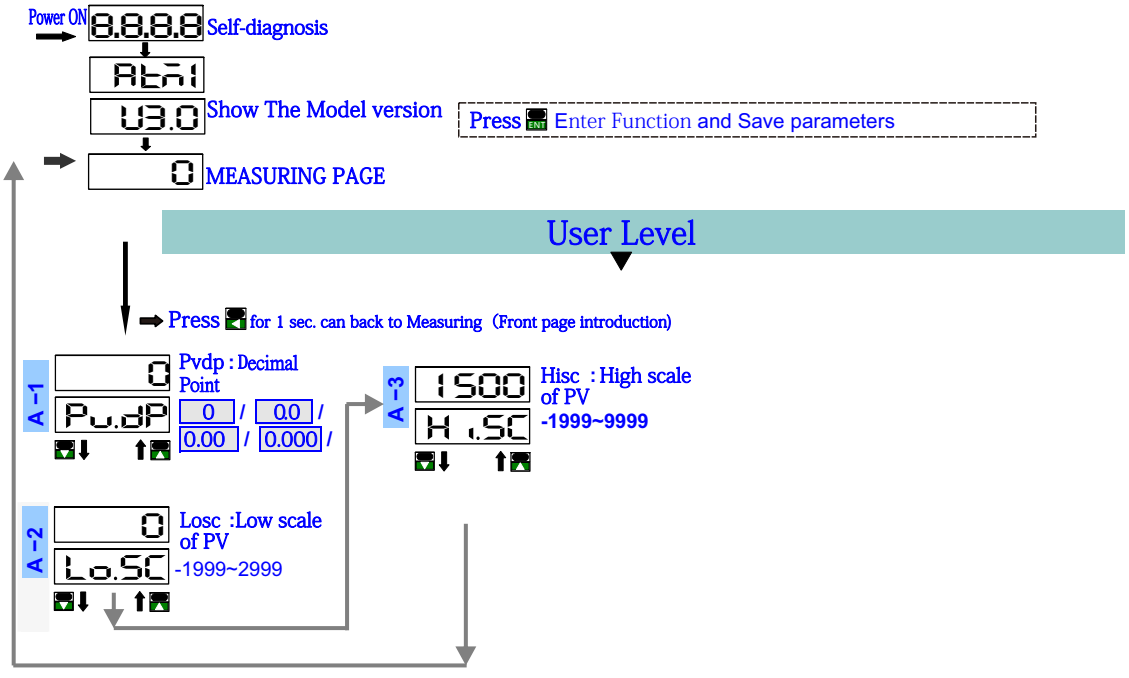
The meter should be installed in a location that does not exceed the maximum operating temperature and provides good air circulation.



■ DIMENSIONS



■ OPERATING



■ OPERATING DIAGRAM(The detail description of operation,please refer to operating manual.)