

# Instruction Manual

(Digital Pressure Gauge)



1. General Specification
2. Installation
3. Function
4. Menu Flow Chart
5. Setting & Calibration



- Pressure measurement of air or non corrosive gases
- Measurement of Differential, Gauge ,Positive, Negative(Vacuum), Both( $\pm$ ) pressure
- 5 Digit LCD Display(Back light)
- Zero, Offset setting
- Minimum, Maximum, 0-100% Display
- 2Alarm setting(2 SPDT Relay Switch)(Option)
- Measurement units selection(15 units)
- Easy and Simple Operation



## SPECIFICATION

### GENERAL

Maximum Pressure  
Media Compatibility  
Pressure Range

Rated Range  $\times 2$   
Liquids, Gases compatible with SUS316  
-1 to 1000bar

### ELECTRICAL

Power  
Battery Life  
Warm up Time  
Display

1.5V AAA Battery $\times 3$   
More than 2-years to 5sec at the sample interval  
5 minutes  
5 Digit LCD With Backlight

### PERFORMANCE AT 23°C

Accuracy  
Operating Temperature  
Ambient Temperature  
Compensated Temperature

$\pm 0.25\%$  FSO  
(Includes Linearity, Hysteresis & Repeatability)  
-40 to 125°C  
-20 to 70°C  
-20 to 70°C

### MECHANICAL

Pressure Connections  
Wetted Materials  
Body Materials  
Weight  
Enclosure Rating

1/4" PT male  
SUS 316L  
SUS 304  
Approx. 400g  
IP65

### FUNCTION

ZERO setting  
INTV  
UNIT

One touch digital push button  
Pressure Update Interval  
15 fields selectable

## INSTALLATION





### LOCATION

Select your site location , Clean and dry, no shock and vibration, proper to the ambient temperature and humidity in use.

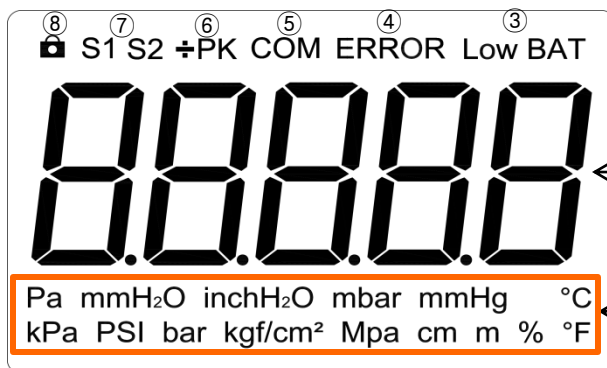
### CAUTION

- Do not supply shock pressure to pressure ports. It may cause to sensor broken
- Give it more about 5 minutes after power on PATM for warming up

## KEY SWITCH FUNCTION

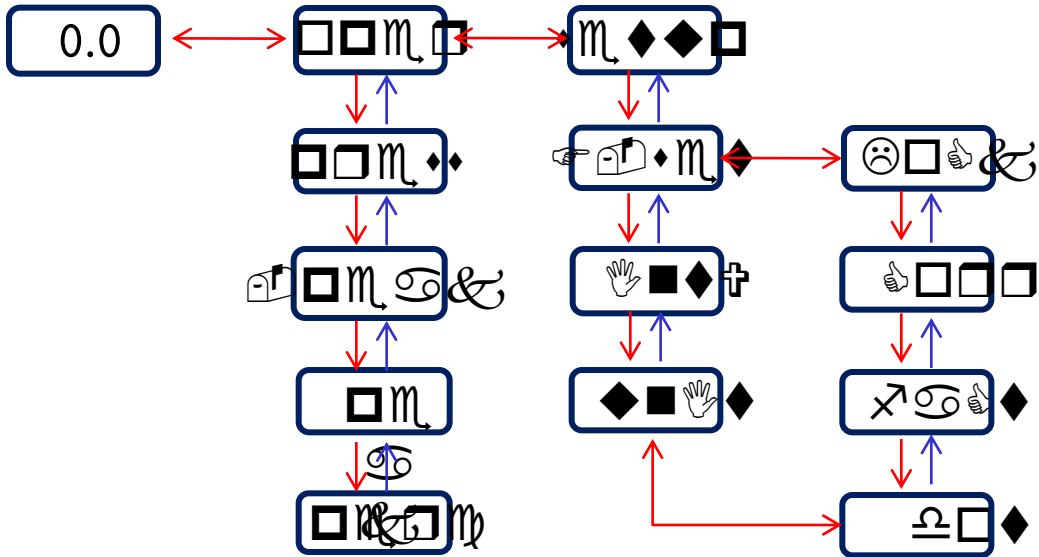
KEY	FUNCTION
	POWER ON/OFF (Press 5sec above) Into the USER setup menu, Go to back step or exit to measurement mode
	Move to next step / Setting value change 0 → 9
	Move to back step / Setting value change 9 → 0 Backlight ON/OFF
	Into the setup mode / save setup Zero setting (press 3sec or above in PV)

## DESCRIPTION of LCD DISPLAY



- ① Pressure Display
- ② selected unit
- ③ Battery status
- ④ Error status
- ⑤ Communication status
- ⑥ Max, Min mode
- ⑦ Switch operation status 1,2
- ⑧ Key Lock status

MODE AND MENU FLOWCHART



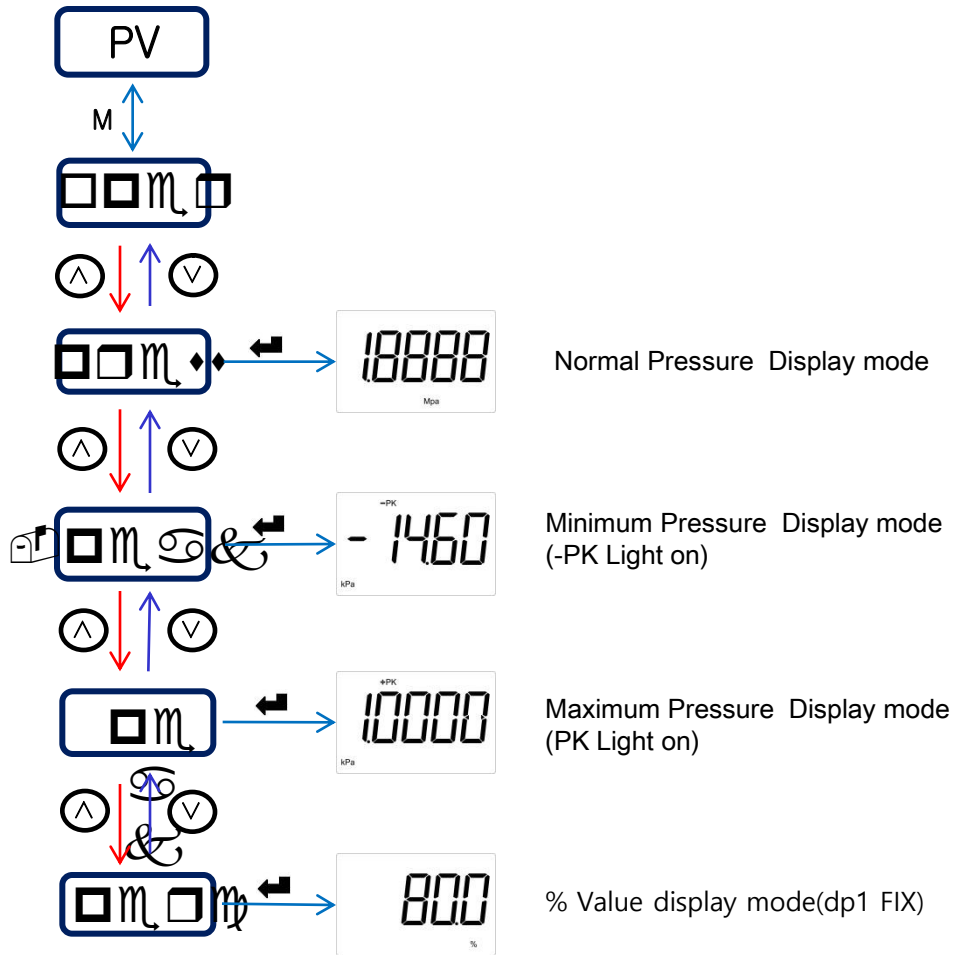
MENU Description

Display	Description
	Display select menu
	Parameter setup menu
	Normal pressure display on LCD
	Minimum pressure display on LCD
	Maximum pressure display on LCD
	Percent Display(0~100%) on LCD
	Initializing(to Factory setting parameter)
	Pressure sampling interval setting(0~600 sec)
	Pressure unit selection
	Setting decimal point position (0~4)
	Setting specific gravity of apply media(0.5~1.5)
	Compensation inclin setting(-30~30)
	Key lock on/off setting
	return to back menu

UNIT select menu

Display	Application Unit	LCD
	Mpascal	Mpa
	bar	bar
	mbar	mbar
	psi	PSI
	mmH <sub>2</sub> O	mmH <sub>2</sub> O
	Kg/cm <sup>2</sup>	Kgf/cm <sup>2</sup>
	inchH <sub>2</sub> O	inchH <sub>2</sub> O
	mmHg	mmHg
	meter	m
	centimeter	cm
	pascal	Pa
	kpascal	kPa

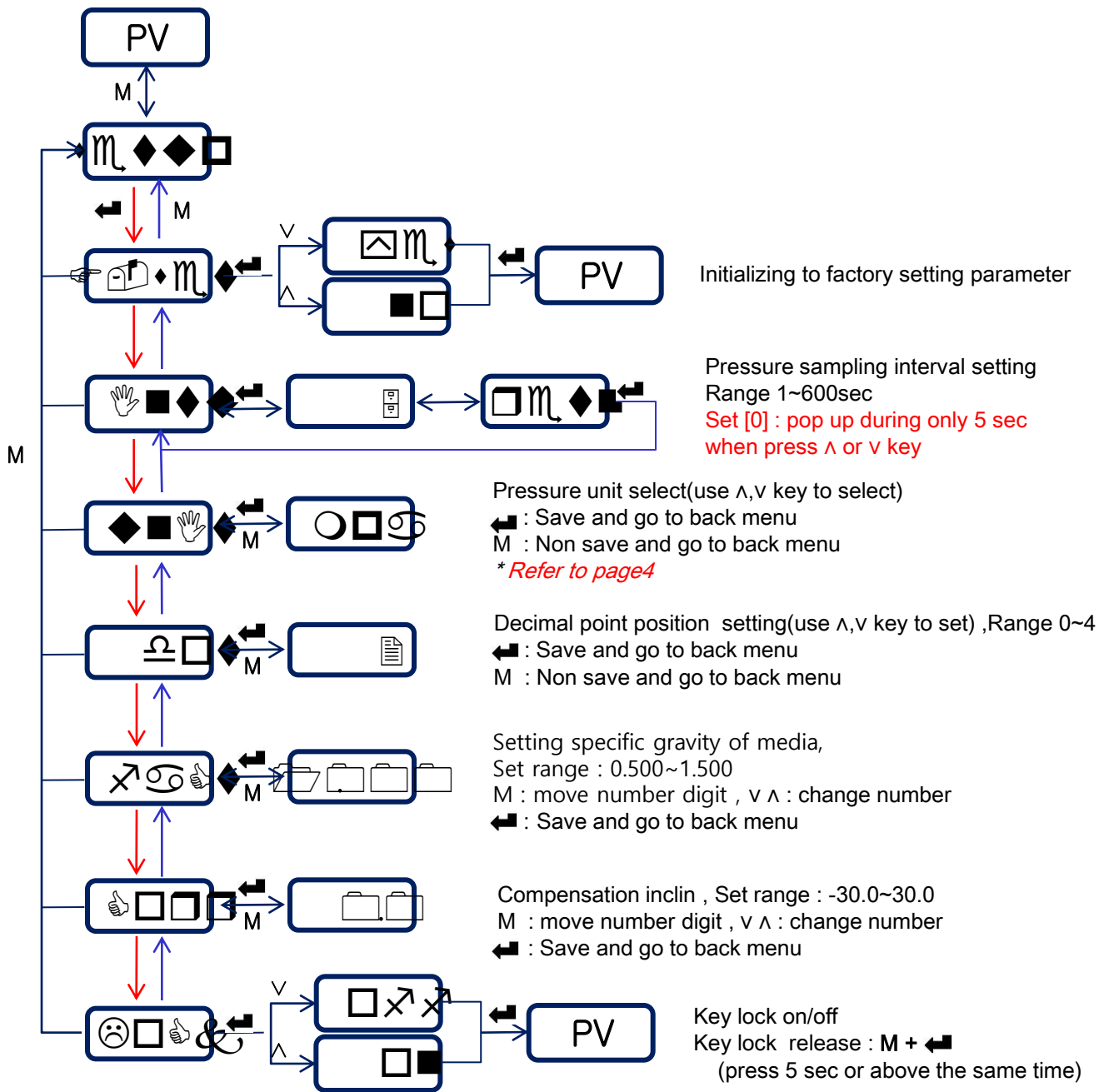
**DISPLAY SETUP MODE**



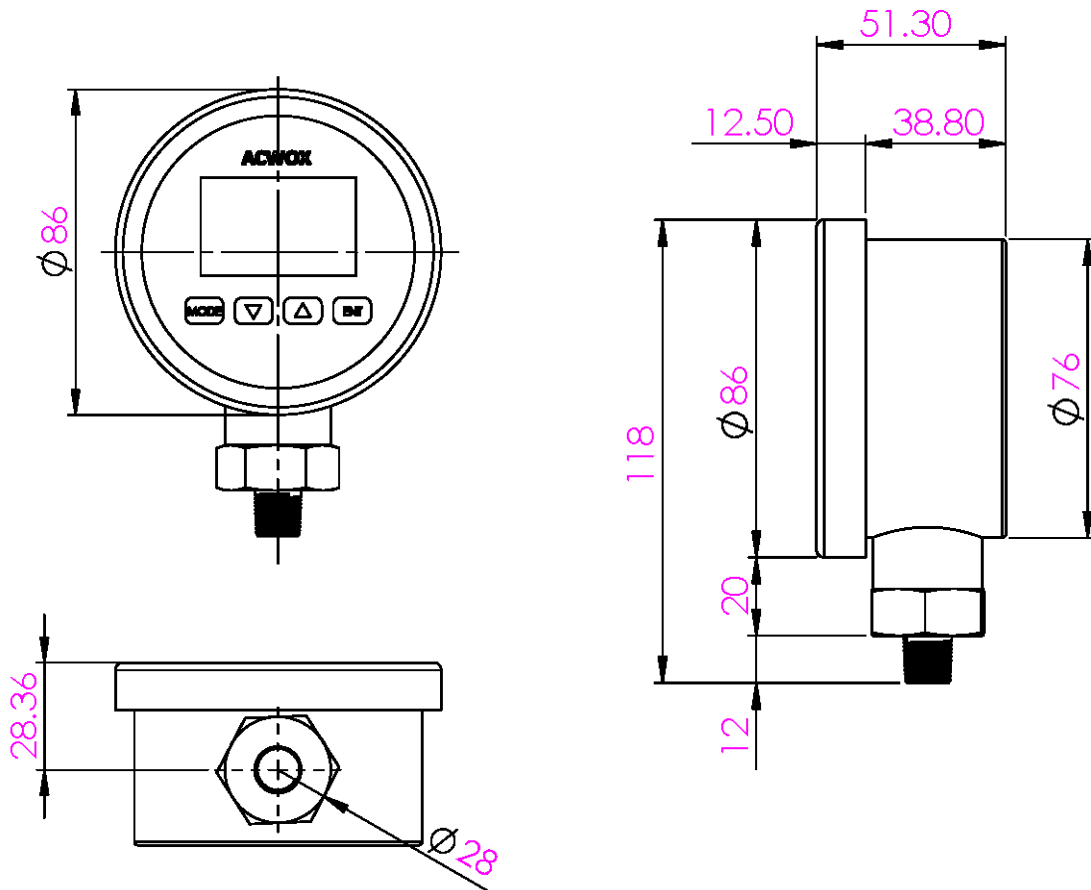
※ display on that last selected mode

※ M : non saving and return to back step or exit to measurement mode

## PARAMETER SETUP MODE



## LAYOUT

**Warranty period**

one year from date of shipment

■ This warranty does not apply under the below condition

- Label is removed
- Gauge is abused, altered, used at ratings above the maximum specified
- Otherwise misused in any way