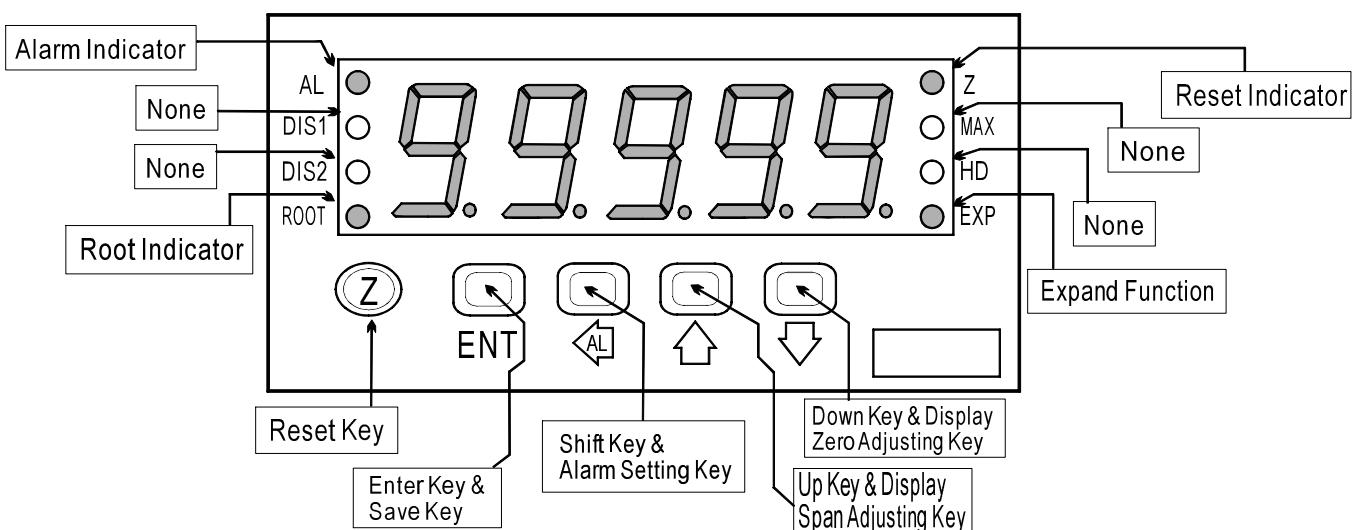


* Please understand key indicators & functions at the first operation.

FRONT PANEL & KEY FUNCTIONS



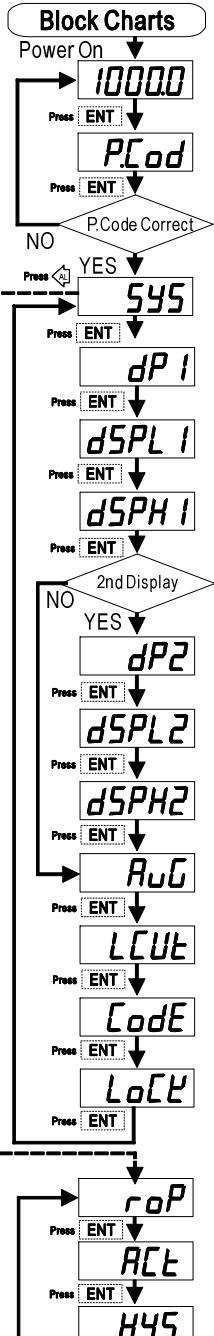
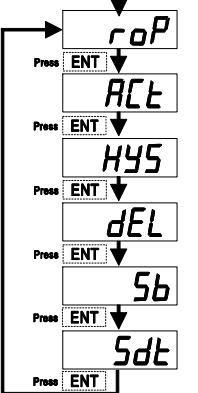
Key Name	Symbol	Descriptions
Reset Key	(Z)	1. Press this key to enable the reset function & reset indicator (Z) is light; press this key again to disable the reset function & reset indicator (Z) is dark.
Enter Key & Save Key	ENT	1. In the measuring status, press this key can enter to parameter pages. 2. In the parameter setting, press this key can save the value & go to next parameter.
Shift Key & Alarm Setting Key	AL	1. In the measuring status, press this key for 3 sec can enter to alarm setting page. (The selecting digit will be flashed) 2. In the parameter setting , press this key can move the cursor left.
Up Key & Display SpanAdjusting Key	↑	1.In the measuring status, press this key for 3 sec can enter to display value adjustment of "SPAN" 2. In the parameter setting, press this key can increase the digits.
Down Key & Display Zero Adjusting Key	↓	1.In the measuring status, press this key for 3 sec can enter to display value adjustment of "ZERO" 2. In the parameter setting , press this key can decrease the digits.

- **1. The following block charts are parameters codes, parameter codes & parameters will alternate flashing if the parameters can be modified.
- 2. To modify the parameters, please press , and press ENT to save the parameters after the modification.
- 3. Please don't forget the new pass code after modification.
- 4. In any pages, press & , or don't press any keys for 2 minutes that will back to measuring status.

GENERAL MODE OPERATING PROCEDURES

Block Charts	Display	Descriptions	Default
		Alarm Setpoint (AM5A-A)	
	Measuring Status Press for 3 sec dSPAn Press ENT	Present value for measurement. Press to modify the alarm setpoint.	00000
	Measuring Status Press for 3 sec dPEro Press ENT	Display: SPAN Adjustment Present value for measurement. Press to select adjusting speed rate, press to modify the span value. PS: To use this function to adjust the real span value.	00000
	Measuring Status Display (dZERo) Adjustment (dZERo)	Display: ZERO Adjustment Present value for measurement. Press to select adjusting speed rate, press to modify the zero value. PS: To use this function to adjust the real zero value.	00000

ENGINEER LEVEL OPERATING PROCEDURES

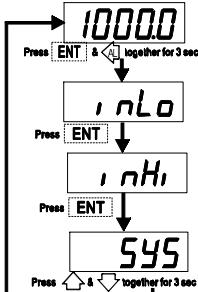
Display	Descriptions	Default
		
Measuring Status	Present value for measurement	
Pass Code (P.Cod)	Press to enter pass code. Pass code is correct that will enter to parameter groups. Pass code is wrong that will back to measuring status.	00000
System Setting Page (SYS)	Press to select system setting group (SYS) or alarm setting group (roP).	
Decimal Point 1 Setting (dP1)	Press to select decimal point (0, 1, 2, 3, 4) EX: if the value shows "0.00" that means the decimal point is 2 digits.	Customers specify
Display Low Scale 1 Setting (dSPL1)	Press to modify display low scale for the input signal zero value. EX: If the input signal is 4~20mA; 4mA is shown display 0.00, this parameter must be set for 000.00.	Customers specify
Display Hi Scale 1 Setting (dSPH1)	Press to modify display high scale for the input signal span value. EX: If the input signal is 4~20mA; 20mA is shown display 100.00, this parameter must be set for 100.00.	Customers specify
2nd Display	The following steps are only available when DI1 or DI2 is set for "2nd Display".	
Decimal Point 2 Setting (dP2)	Press to select decimal point (0, 1, 2, 3, 4) EX: if the value shows "0.00" that means the decimal point is 2 digits.	Customers specify
Display Low Scale 2 Setting (dSPL2)	Press to modify display low scale for the input signal zero value. EX: If the input signal is 4~20mA; 4mA is shown display 0.00, this parameter must be set for 000.00.	Customers specify
Display Hi Scale 2 Setting (dSPH2)	Press to modify display high scale for the input signal span value. EX: If the input signal is 4~20mA; 20mA is shown display 100.00, this parameter must be set for 100.00.	Customers specify
Display Average Setting (AvG)	Press to modify display average (1~99) PS: Please use this function for stable display value when input signal is unstable.	00005
Display Low Cut Settingn(LCUT)	Press to modify display low cut to 0(0~99)	00000
Pass Code Setting (CodE)	Press to modify pass code(0~19999) PS: Please don't forget the new pass code after modification.	00000
Key Lock Setting (LoCK)	Press to lock the keys, using key lock function only can view the parameters, but cannot modify any values. PS: no(unlock), YES("ENT" unlock, others lock)	non
Alarm Setting Group Procedures		
	The following steps are only available for AM5A-A.	
Alarm Setting Page (roP)		
Alarm Action Setting (ACT)	Press to modify alarm value that is \geq (Hi) or $<$ (Lo) for alarm action.	Customers specify
Alarm Hysteresis Setting (HYS)	Press to modify the value, when alarm runs lower or higher display value (depends on alarm action) Alarm setpoint \pm this value(0~999) will turn off the alarm.	00000
Alarm Run Delay Setting (dEL)	Press to modify the value, when the display value reach the alarm value that need to wait for this time (0~99 sec) for alarm action.	00000
Alarm Start Band Setting (Sb)	Press to modify the value (-99~+99), if the display value don't over this range, the alarm will not be act.	00000
Alarm Start Band Time Setting (Sdt)	Press to modify the value (0~99 sec), if the display value reach alarm start band value; the alarm will be act after this value (sec).(The function is used with "Sb" function.)	00000

Error Code of Self-Diagnosis

Display	Descriptions	Display	Descriptions
, oFL	Input signal is over 120% of input range.	doFL	Input signal is over display range (99999)
-, oFL	Input signal is under -20% of input range.	-doFL	Input signal is under display range (-19999)
RdEr	Input signal is over 180% of input range or meter error.	E-00	EEPROM reading /writing suffers the interference (about 1 million times)

**Please check the wiring connection is correct first, if the problem still exist, please return the meter to the factory.

CALIBRATION OPERATING PROCEDURES

Display	Descriptions	Default
	Present value for measurement Press ENT & Δ together for 3 sec will enter to calibration operating procedures.	
Input Low Scale Calibration (inLo)	1. Input standard low scale signal. 2. Press $\Delta\uparrow\downarrow$ to calibrate input low scale.	
Input Hi Scale Calibration (inHi)	1. Input standard hi scale signal. 2. Press $\Delta\uparrow\downarrow$ to calibrate input hi scale.	
System Setting Page (SYS)	1. Finish calibration operating procedures will enter to system setting group. 2. Press Δ & ∇ together to back to measuring status.	

Warning: Calibration of this meter requires a standard signal with 0.01% accuracy or better and an external meter with 0.005% accuracy or better.