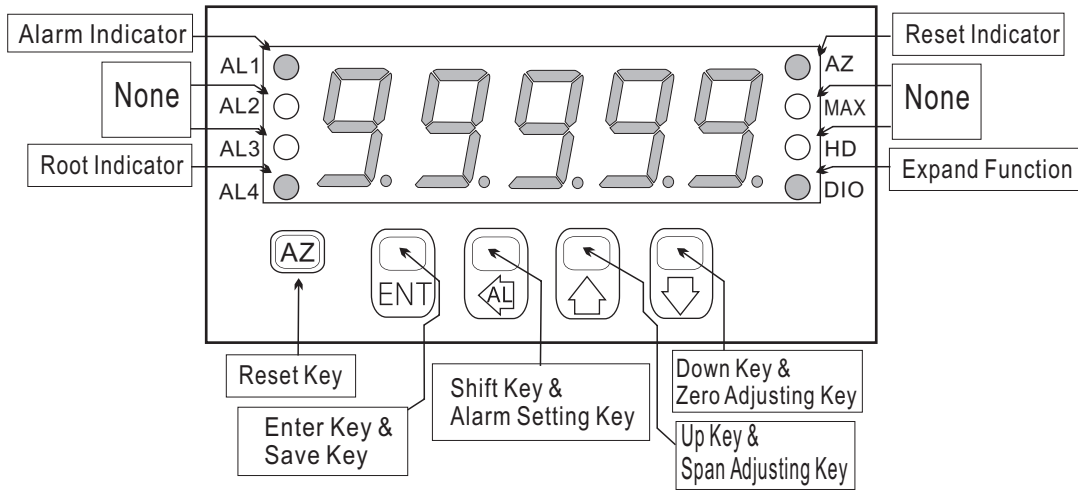


* Please understand key indicators & functions at the first operation.

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 Span Adjusting 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 \leftarrow \uparrow \downarrow , 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 \uparrow & \downarrow , or don't press any keys for 2 minutes that will back to measuring status.

GENERAL MODE OPERATING PROCEDURES

Block Charts	Display	Descriptions	Default
Power On		Alarm Setpoint (AM5A-A)	
	Measuring Status	Present value for measurement.	
	Alarm (AL) Setpoint	Press \leftarrow \uparrow \downarrow to modify the alarm setpoint.	00000
		Display: SPAN Adjustment	
	Measuring Status	Present value for measurement.	
	Display Span Adjustment (dSPAN)	Press \leftarrow to select adjusting speed rate, press \uparrow \downarrow to modify the span value. PS: To use this function to adjust the real span value.	00000
		Display: ZERO Adjustment	
	Measuring Status	Present value for measurement.	
	Display (dZEro) Adjustment (dZEro)	Press \leftarrow to select adjusting speed rate, press \uparrow \downarrow to modify the zero value. PS: To use this function to adjust the real zero value.	00000

ENGINEER LEVEL OPERATING PROCEDURES

Block Charts	Display	Descriptions	Default
Power On ↓ 10000	Measuring Status	Present value for measurement	
Press ENT ↓ P.Cod	Pass Code (P.Cod)	Press \leftarrow \uparrow \downarrow to enter pass code.	00000
Press ENT ↓ P.Code Correct		Pass code is correct that will enter to parameter groups. Pass code is wrong that will back to measuring status.	
NO ↓ 5YS	System Setting Page (SYS)	Press \leftarrow to select system setting group (SYS) or alarm setting group (roP).	
YES ↓ dP1	Decimal Point 1 Setting (dP1)	Press \leftarrow \uparrow \downarrow 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
Press ENT ↓ dSPL1	Display Low Scale 1 Setting (dSPL1)	Press \leftarrow \uparrow \downarrow 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
Press ENT ↓ dSPH1	Display Hi Scale 1 Setting (dSPH1)	Press \leftarrow \uparrow \downarrow 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
Press ENT ↓ 2nd Display		The following steps are only available when DI1 or DI2 is set for "2nd Display".	
NO ↓ dP2	Decimal Point 2 Setting (dP2)	Press \leftarrow \uparrow \downarrow 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
YES ↓ dSPL2	Display Low Scale 2 Setting (dSPL2)	Press \leftarrow \uparrow \downarrow 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
Press ENT ↓ dSPH2	Display Hi Scale 2 Setting (dSPH2)	Press \leftarrow \uparrow \downarrow 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
Press ENT ↓ AvG	Display Average Setting (AvG)	Press \leftarrow \uparrow \downarrow to modify display average (1~99) PS: Please use this function for stable display value when input signal is unstable.	00005
Press ENT ↓ LCUt	Display Low Cut Setting (LCUt)	Press \leftarrow \uparrow \downarrow to modify display low cut to 0(0~99)	00000
Press ENT ↓ CodE	Pass Code Setting (CodE)	Press \leftarrow \uparrow \downarrow to modify pass code(0~19999) PS: Please don't forget the new pass code after modification.	00000
Press ENT ↓ LoCK	Key Lock Setting (LoCK)	Press \uparrow \downarrow 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			
Press ENT ↓ roP	Alarm Setting Page (roP)	The following steps are only available for AM5A-A.	
Press ENT ↓ ACt	Alarm Action Setting (ACt)	Press \uparrow \downarrow to modify alarm value that is \geq (Hi) or $<$ (Lo) for alarm action.	Customers specify
Press ENT ↓ HYS	Alarm Hysteresis Setting (HYS)	Press \leftarrow \uparrow \downarrow 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
Press ENT ↓ dEL	Alarm Run Delay Setting (dEL)	Press \leftarrow \uparrow \downarrow 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
Press ENT ↓ Sb	Alarm Start Band Setting (Sb)	Press \leftarrow \uparrow \downarrow to modify the value (-99~+99), if the display value don't over this range; the alarm will not be act.	00000
Press ENT ↓ Sdt	Alarm Start Band Time Setting (Sdt)	Press \leftarrow \uparrow \downarrow 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
1oFL	Input signal is over 120% of input range.	doFL	Input signal is over display range (99999)
-1oFL	Input signal is under -20% of input range.	-doFL	Input signal is under display range (-19999)
AdEr	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
<p>The flowchart shows the sequence of calibration steps. It starts with a display of '10000' (Measuring Status). Pressing 'ENT' and a left arrow key together for 3 seconds leads to 'inLo' (Input Low Scale Calibration). Pressing 'ENT' leads to 'inHi' (Input Hi Scale Calibration). Pressing 'ENT' leads to '545' (System Setting Page). Pressing the up and down arrow keys together for 3 seconds returns the display to '10000'.</p>	Measuring Status	Present value for measurement Press ENT & together for 3 sec will enter to calibration operating procedures.	
	Input Low Scale Calibration (inLo)	1. Input standard low scale signal. 2. Press to calibrate input low scale.	
	Input Hi Scale Calibration (inHi)	1. Input standard hi scale signal. 2. Press to calibrate input hi scale.	
	System Setting Page (SYS)	1. Finish calibration operating procedures will enter to system setting group. 2. Press & 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.