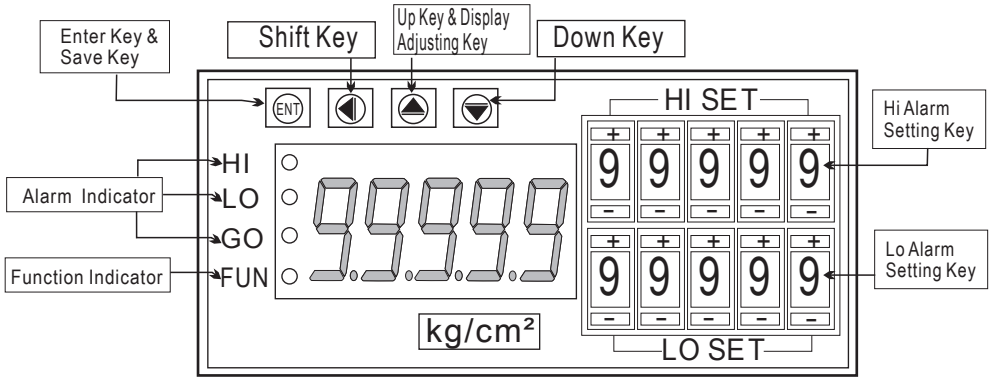
DC5M-AP 5 DIGITS MICRO-PROCESS METER with 2 ALARMS (DIP SWITCH TYPE) **MANUAL**

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

FRONT PANEL & KEY FUNCTIONS

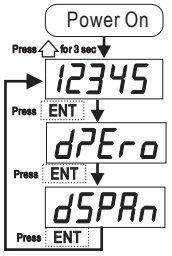


Key Name	Symbol	Descriptions
Enter Key & Save Key	ENT	1. In the measuring status, press this key can enter to parameter pages. 2. In the parameter setting, press this key can save the value & go to next parameter.
Shift Key	◁	1. In the parameter setting , press this key can move the cursor left.
Up Key & Display Value Adjusting Key	△	1.In the measuring status, press this key for 3 sec can enter to display value adjustment of "ZERO" & "SPAN" 2. In the parameter setting, press this key can increase the digits.
Down Key	▽	1. In the parameter setting , press this key can decrease the digits.
Compound Key	△+▽	1. In any status, press this key can back to measuring status.

**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 parameter 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

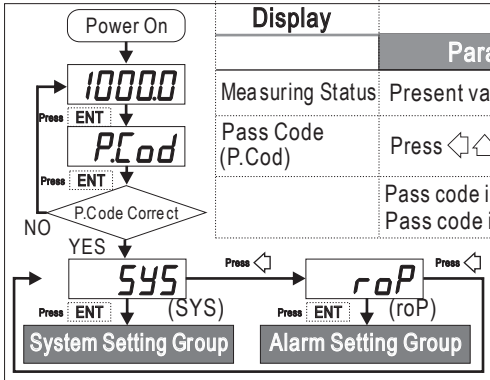


Display	Descriptions	Default
	Display: "ZERO" & "SPAN" Adjustment	
Measuring Status	Present value for measurement	
Display Zero Adjustment (dZEro)	Press ◁ to select adjusting speed rate, press △ ▽ to modify the span value.	00000
Display Span Adjustment (dSPAn)	Press ◁ to select adjusting speed rate, press △ ▽ to modify the span value. PS: To use this function to adjust the real span value.	00000

Remark: 1. There are 2 parameter groups of "System Setting Group(SYS)", "Alarm Setting Group(roP)", for modification.

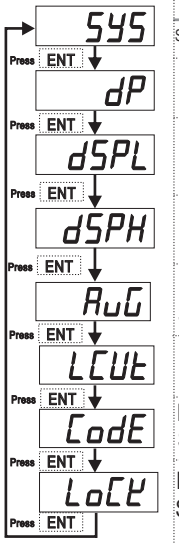
2. Press ◁ to select each group page, and press **ENT** to enter each group or parameter page for modification or saving the parameters.

PROGRAMMING MODE OPERATING PROCEDURES



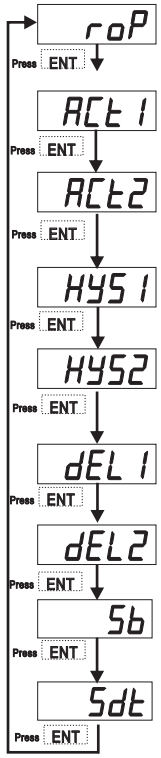
Display	Descriptions	Default
	Parameter Group Setting Procedures	
Measuring Status	Present value for measurement	
Pass Code (P.Cod)	Press ◁△▽ to enter pass code.	00000
	Pass code is correct that will enter to parameter groups. Pass code is wrong that will back to measuring status.	

GENERAL MODE OPERATING PROCEDURES



Display	Descriptions	Default
System Setting Page (SYS)	**System Setting Group Procedures**	
Decimal Point Setting (dP)	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.	0
Display Low Scale Setting (dSPL)	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.	00000
Display Hi Scale Setting (dSPH)	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.	99999
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.	01
Display Low Cut Setting (LCUt)	Press◁△▽ to modify display low cut to 0 (0~99).	00
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).	no

GENERAL MODE OPERATING PROCEDURES



		Alarm Setting Group Procedures	
Alarm Setting Page (roP)		**The following steps are only available for alarm output.**	
Alarm 1 (ACt1)	Alarm Action Setting	Press ⇧⇩ to modify alarm value that is ≧(Hi) or <(Lo) for alarm action. PS: 1. There are 2 alarms output. 2. Press **ENT** to save the value and go to the next parameter.	Hi
Alarm 2 (ACt2)			
Hysteresis 1 (HYS1)	Alarm Hysteresis Setting	Press⇦⇧⇩ to modify the value, when alarm runs lower or higher display value (depends on alarm action). Alarm setpoint ±this value (0~999) will turn off the alarm. PS: 1. There are 2 alarms output. 2. Press **ENT** to save the value and go to the next parameter.	00000
Hysteresis 2 (HYS2)			
Delay Time 1 (dEL1)	Alarm Run Delay Setting	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. PS: 1. There are 2 alarms output. 2. Press **ENT** to save the value and go to the next parameter.	00000
Delay Time 2 (dEL2)			
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
ı oFL	Input signal is over 120% of input range.
-ı oFL	Input signal is under -20% of input range.
AdEr	Input signal is over 180% of input range or meter error.
doFL	Input signal is over display range (99999)
-doFL	Input signal is under display range (-19999)
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.