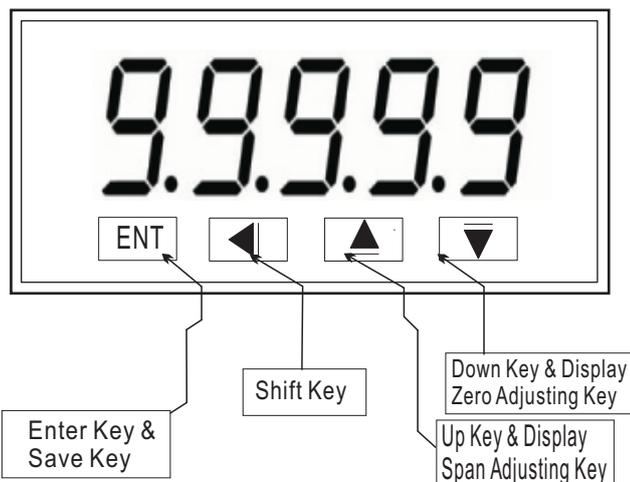


\* Please understand key indicators & functions at the first operation.

**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 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 ← ↑ ↓, 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
	Measuring Status	Present value for measurement.	
	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
	<b>Display: ZERO Adjustment</b>		
	Measuring Status	Present value for measurement.	
	Display (dZEro) Adjustment (dZEro)	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

Block Charts	Display	Descriptions	Default
Power On ↓ 10000	Measuring Status	Present value for measurement	
Press ENT ↓ P.Cod	Pass Code (P.Cod)	Press ← → 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 ↓ Press ← ↓ 545	System Setting Page (SYS)		
YES ↓ Press ENT ↓ dP	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.	Customers specify
Press ENT ↓ dSPL	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.	Customers specify
Press ENT ↓ dSPH	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,	Customers specify
Press ENT ↓ AvG	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
Press ENT ↓ LCUt	Display Low Cut Settingn(LCUT)	Press ← → to modify display low cut to 0(0~99)	00000
Press ENT ↓ CodE	Pass Code Setting (CodE)	Press ← → 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 → 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

### Error Code of Self-Diagnosis

Display	Descriptions	Display	Descriptions
1, oFL	Input signal is over 120% of input range.	doFL	Input signal is over display range (99999)
-1, oFL	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

Block Charts	Display	Descriptions	Default
10000 Press ENT & ← together for 3 sec ↓ 1 nLo	Measuring Status	Present value for measurement Press ENT & ← together for 3 sec will enter to calibration operating procedures.	
Press ENT ↓ 1 nHi	Input Low Scale Calibration (inLo)	1. Input standard low scale signal. 2. Press ← → to calibrate input low scale. (LED flashing)	
Press ENT ↓ 545	Input Hi Scale Calibration (inHi)	1. Input standard hi scale signal. 2. Press ← → to calibrate input hi scale. (LED flashing)	
Press → & ← together for 3 sec	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.**