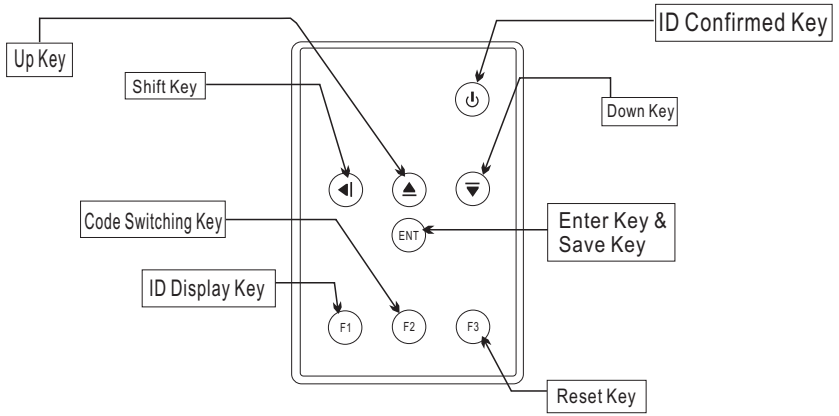
GBMC | 10 CM LARGE DISPLAY COUNTER with 2~4 ALARMS / ANALOG OUTPUT / RS-485 | MANUAL

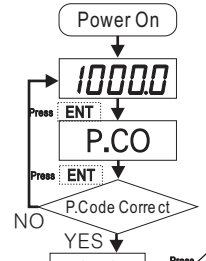
✻ Please understand key indicators & functions at the first operation.

FRONT PANEL & KEY FUNCTIONS

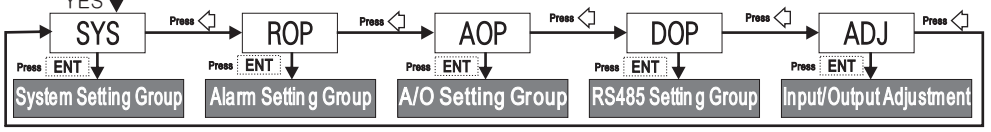


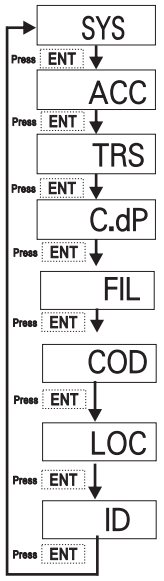
Key Name	Symbol	Descriptions
ID Confirmed Key	⏻	1. In the measuring status, press this key can enter to ID confirmed page. 2. In the parameter setting, press this key can back to the measuring page.
Enter Key & Save Key	ENT	1. In the measuring status, press this key can enter to parameter pages. 2. In 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	▲	1. 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.

PROGRAMMING MODE OPERATING PROCEDURES

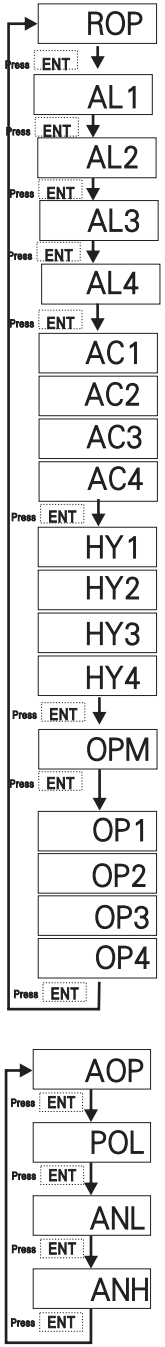


Display	Descriptions	Default
	Parameter Group Setting Procedures	
Measuring Status	Present value for measurement	
Pass Code (P.Cod)	Press ◁ △ ▽ to enter pass code.	0000
	Pass code is correct that will enter to parameter groups. Pass code is wrong that will back to measuring status.	

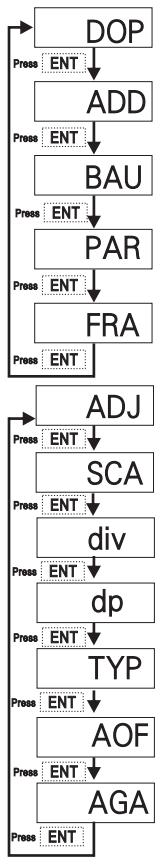




Display	Descriptions	Default
	System Setting Group Procedures	
1A2B Accurate Setting (ACCU)	Press △ ▽ to modify 1A2B accurate (X1, X4).	X1
Function Key Setting (TRS)	Press △ ▽ to modify function key. (Reset, Gin)	RST
Decimal Point Setting (C.dP)	Press △ ▽ to select cover decimal point (YES, NO)	YES
Input Filter Setting (FiL)	Press △ ▽ to modify input filter setting. (Off, 4, 40, 400, 4KHz).	OFF
Pass Code Setting (Cod)	Press ◁ △ ▽ to modify pass code (0~19999). PS: Please don't forget the new pass code after modification.	0000
Key Lock Setting (LoC)	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
Identification Setting (id)	Press ◁ △ ▽ to modify identification (00~99). PS: If the ID is 00; Meter can received any Infrared Control.	0000



Display		Descriptions	Default
		Alarm Setting Group Procedures	
Alarm Setting Page (roP)		**The following steps are only available for alarm output.**	
Alarm 1 Setpoint (AL1)		Press◁△▽ to modify alarm 1 setpoint.	0000
Alarm 2 Setpoint (AL2)		Press◁△▽ to modify alarm 2 setpoint.	0000
Alarm 3 Setpoint (AL3)		Press◁△▽ to modify alarm 3 setpoint.	0000
Alarm 4 Setpoint (AL4)		Press◁△▽ to modify alarm 4 setpoint.	0000
Alarm 1 (ACt1)	Alarm Action Setting	Press △▽ to modify alarm value that is ≧(Hi) or <(Lo) for alarm action.	HI
Alarm 2 (ACt2)	Alarm Action Setting		
Alarm 3 (ACt3)	Alarm Action Setting	Press △▽ to modify alarm value that is ≧(Hi) or <(Lo) or (Go) for alarm action.	HI
Alarm 4 (ACt4)	Alarm Action Setting	Press △▽ to modify alarm value that is (Hi) or <(Lo) or (Err) for alarm action.	HI
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 range (0~999) will turn off the alarm. PS: 1. There are 4 alarms output optional. 2. This page is exist without alarm output, but the function will be disabled. 3. Press **ENT** to save the value and go to the next parameter.	0000
Hysteresis 2 (HYS2)	Alarm Hysteresis Setting		
Hysteresis 3 (HYS3)	Alarm Hysteresis Setting		
Hysteresis 4 (HYS4)	Alarm Hysteresis Setting		
Alarm Mode Setting (oP.ModE)		Press △▽ to modify alarm output mode. N: manual; R: return; C: continue, SA: Semi-Auto CP: Compare, Gin: Gin	n
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 4 alarms output optional. 2. This page is exist without alarm output, but the function will be disabled. 3. Press **ENT** to save the value and go to the next parameter.	00
Delay Time 2 (dEL2)	Alarm Run Delay Setting		
Delay Time 3 (dEL3)	Alarm Run Delay Setting		
Delay Time 4 (dEL4)	Alarm Run Delay Setting		
		A/O Setting Group Procedures	
A/O Setting Page (AoP)		**The following steps are only available for analog output.**	
A/O Polarity Setting (PoLAr)		Press △▽ to select output for positive or negative pole. PS : Voltage output ,NO: positive pole output (0~+10V) YES: positive & negative pole output (-10~+10V)	NO
A/O Low Scale Setting (AnLo)		Press◁△▽ to adjust A/O low scale to correspond to the display value (programmable). EX : A/O is 0~10V, the display is 10.0 to output 0V, this value must be set for 10.0.	0000
A/O Hi Scale Setting (AnHi)		Press◁△▽ to adjust A/O hi scale to correspond to the display value (programmable). EX : A/O is 0~10V, the display is 90.0 to output1 0V, this value must be set for 90.0.	9999



Display	Descriptions	Default
	RS485 Setting Group Procedures	
RS485 Setting Page (doP)	**The following steps are only available for RS-485.**	
Address Setting (Addr)	Press◁△▽ to modify address (0~255).	0000
Baud Rate Setting (bAUd)	Press △▽to select baud rate (38400/19200/9600/4800).	384
Parity Setting (PAri)	Press △▽ to select parity (n.8.2/n.8.1/even/odd).	n.8.2.
Frame Setting (FrAmE)	Press △▽ to select frame type. (NO:Hi→Lo , YES:Lo→Hi)	NO
	Input / Output Adjustment Procedures	
Scale Coefficient Adjustment (SCALE)	Press◁△▽to modify scale coefficient (0.0001 ~9.9999).	01.000
Pre-Division Setting (div)	Press △▽ to modify pre-division (1~99999).	00001
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
Input Type Setting (tYPE)	Press △▽ to modify the input type. (1U2D / 1P2D / 1A2B)	1U2
A/O Offset Setting (AoF)	Press◁△▽to analog output offset value (-1999~9999).	0000
A/O Gain Setting (AGA)	Press◁△▽ to analog output gain value (-1999~9999).	0000

Error Code of Self-Diagnosis

Display	Descriptions
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.