



Model : GM762  
GM763

## Pen PH Meter Instruction Manual



Version:762/763-EN-01

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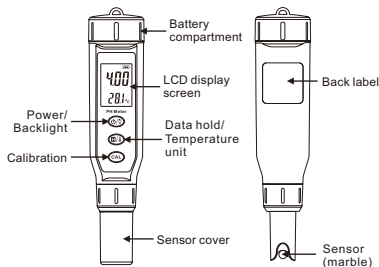
### A. Introduction

This product is accurate, stable, reliable and easy to carry. It can be used to measure the PH value of the solution and the temperature of the liquid to be measured. It is widely used in the fields of industry, electricity, agriculture, medicine, food, scientific research, and environmental protection.

Product feature:

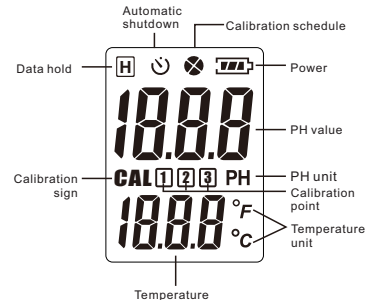
- Measure the PH value of the solution
- Measure the solution temperature
- LCD color screen display
- Data hold
- Temperature switch: °C/°F
- Power cut memory
- Solution temperature compensation
- Automatic calibration
- Power display and charging
- Automatic shutdown
- Red backlight alarm (PH<3.5 or

### B. Components



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### C. LCD display



Display declaration

Display [H]	the value will remain unchanged
Display [CAL]	Enter the calibration model
Display [Lo]	PH value is below 0
Display [Hi]	PH value is above 14
Display [NUL]	No sensor connection detected
Charge Display [ ]	When charging, the battery cells increase from zero to three cells in turn. When the power is full, the power will not move. After a long time of low power, the meter will turn off, and it needs to be charged as soon as possible. Long-term power loss will affect the battery quality

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### D. Operating Instruction

- Turn on/off  
Short press "ON" to power on, then long press "OFF" to shut off.
- Data hold  
When power is on, short press "H", display [H] to lock the PH value. If shutdown at that time, the PH value will be remained until the meter is power on again. Short press "H" to continue.
- Temperature unit switch  
When the power is on, long press "C/F" to switch between °C/°F.
- Automatic shutdown  
Short press the "OFF" to cancel it.
- Calibration  
(1) Sequential calibration  
SA1:PH=4.0/4.00  
SA2:PH=6.8/6.86  
SA3:PH=9.1/9.18  
Automatic calibration, automatically identify the calibration solution according to the sequence(4.00-6.86-9.18), when the [ ] symbol rotates a single revolution, it indicates that the calibration is completed; if the calibration of the first calibration point is completed, the sensor should be washed with water. And then the next calibration point should be calibrated in turn, and the automatic calibration should be saved.  
When the power is on, long press "CAL", and LCD will display [CAL] and [4.00]. After the product sensor is put into the solution with PH=4.00 (the marble needs to be completely immersed), short press "CAL" to display the ADC value. Wait until the ADC value is stable, press "CAL" again to record the value (or wait for automatic calibration of the point). Remove the sensor from the solution, rinse the sensor with water for 1 minute, and then gently wipe it with a paper towel; When the LCD displays 6.86, place the sensor in PH=6.86. Repeat the above steps. After completing the calibration of SA1-SA3, display [End]. Wait for 1 minute, and exit the calibration automatically.  
In the calibration process, if [Err] occurs, it means that the marble contacts the solution in the wrong order or the sensor is wrong. Recalibration or single point calibration is required.

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Before single point calibration, perform sequential calibration (the calibration has been performed before delivery). Long press "CAL" to display [CAL] [ ] on LCD, and press "H" to switch [4.00]-[6.86]-[9.18]-[CAC] successively. Select the corresponding calibration point and then short press "CAL" to display the ADC value. Wait until the ADC value is stable, short press "CAL" again to record the value. Finally, press "H" to switch to [CAC], and short press "CAL" to end the single point calibration. If SA3 is calibrated, the calibration will be completed automatically.

### E. Technical parameters

Model	GM762	GM763
PH measurement range	0.0 ~ 14.0	0.00 ~ 14.00
PH resolution	0.1	0.01
PH measurement error	± 0.1	± 0.05
Temperature range	0~60°C (32~140°F)	
Temperature resolution	0.1°C	
Temperature error	± 1.0 °C	
Power supply	lithium battery 3.7V 600mAh 2.22wh (inside)	
Display	LCD screen display	
Working Temperature	0~60°C	
Working humidity	≤85%RH	
Red backlight alarm	(PH<3.5 or PH>11.5)	
Product specification	41*42*189.23mm	
Weight	91.5g	

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### F. Attention

- Before the first use or calibration, please pour an appropriate amount of cache liquid into the protective cover to completely soak the sensor and let the suction rod completely wet (when the rod is dry, soak it for more than 2 hours).
- Storage method: After use, the sensor should be washed with water, and then soaked in cache liquid for storage for next use;
- The calibration solution should not be in contact with the air for a long time (4 hours), otherwise the calibration result will be affected. Therefore, a new solution should be used for each calibration.
- After the sensor is soaked in an acid or alkali solution for a long time, clean it and wipe it with a paper towel before measuring it. Otherwise, the measurement result will be affected.
- Please refer to the powder usage instructions for calibration solution ratio.

### G. Accessory

- Pen PH Meter 1PCS
- PH4.00 Powder 1PCS
- PH6.86 Powder 1PCS
- PH9.18 Powder 1PCS
- Instruction Manual 1PCS
- Warranty card 1PCS
- USB wire 1PCS
- Cache solution 1PCS

Particulars Furnished:

- Old batteries must be disposed of in accordance with local laws and regulations!
- The company shall not be liable for any derivative results resulting from the use of the products
- The company reserves the right to update and modify the design specifications and instructions of the product without prior notice.
- Please do not charge or discharge the lithium battery while overcharging. Please do not charge it for more than two and a half hours. If the instrument is not used for a long time, please charge it before placing it.



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