

# YY-103 Series Intelligent ph Meter



YY-1030



YY-1031



YY-1032



YY-1031L



YY-1032L



Bluetooth



Ip67 waterproof

## PARAMETER

Model	YY-1030	YY-1031	YY-1031L	YY-1032	YY-1032L
PH	Range: 0.00-14.00 pH				
	Resolution: 0.01pH				
	Accuracy: ±0.1pH				
TEMP	Range: 0.1°C-60.0°C; 32.1°F-140.0°F				
	Resolution: 0.1°C;0.1°F				
	Accuracy: ±0.5°C				
PH Calibration	6.86 / 4.00 / 9.18 or 7.00 / 4.00 / 10.01 (Optional two sets of calibration modes)				
	Calibration records can be viewed				
Electrod Replaceable	Puncture electrode	Flat electrode	Online flat electrode	Bulb electrode	Online Bulb Electrode
	3.3M KCL Electrode Storage Solution				
Temp . ATC	0.1°C-60.0°C				
Environment	0.1°C-80°C RH : max 90%				
Waterproof	IP67				
Battery	4 * 1.5V ( LR44 ); low battery indicator				
Bluetooth	Mobile bluetooth 5.2 Version				
Backlights	With backlights , support mobile control				
Data	Save as Excel sheet				
	Support printing				
Data storage	Can store the latest 1000 records of data				
Standby time	Around 50 days ( turn on bluetooth ) 2 years ( turn off bluetooth )				

## FUNCTIONS OF DIFFERENT MODELS

Model/Electrode	USE
YY-1030 Puncture electrode	Solid and semi-solid sample testing such as cheese, meat, fruit, flour products, soil and solid culture medium and routine aqueous solution testing
YY-1031/YY-1031L Flat electrode	Flat sample test such as skin, paper, cloth and leather, micro solution test, routine aqueous solution test
YY-1032/YY-1032L Bulb electrode	Routine aqueous solution testing, such as: hydroponics, aquaculture, swimming pools, spas, water treatment and beverages, etc.

YY-1030 The puncture electrode is mainly used to measure the solid or semi-solid medium containing water.

When inserting the electrode, please pay attention to evenly applying force to prevent the electrode from being damaged. If the sample to be tested is relatively solid (such as meat and fruit), you should use a tapered knife to pierce a small hole before inserting the electrode.

When testing food (such as: sushi, cheese, meat, fruit, etc.), always use samples for testing, and the test samples are not edible.

YY-1031/YY-1031L The flat electrode is mainly used to measure flat samples.

When testing the skin: there should be no sweat or dirt on the skin surface, but it should not be excessively cleaned (before testing, please do not use cleansing products) to avoid affecting the measurement results. Moisten the skin slightly with distilled water, press the flat electrode slightly on the skin and read after the measurement result is stable.

When testing paper, cloth or leather: add 1-2 drops of distilled water to slightly wet and then test it directly.

YY-1032/YY-1032L The bulb electrode is mainly used for routine aqueous solution testing.

The bulb glass membrane adopts a low-impedance glass sensitive membrane which is easy to respond quickly to H<sup>+</sup> in the solution.

## OPERATION

## APP download

YINMIK  
APP

(IOS)



(Android)

\*IOS system: Open the APP store that comes with your iPhone, search for YINMIK and download it; or scan the QR code with Google Chrome to download the APP.

\*Android system: Scan the QR code with Google Chrome to download the APP.

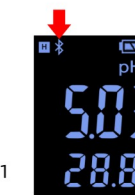
\*Notes: 1. When the meter is connected to the APP, it needs to locate the mobile phone to connect successfully.

2. The APP is updated frequently. After the update, the old version may not be connected or used. Just uninstall the old APP and download the new version connect the meter to the new version of the APP again.

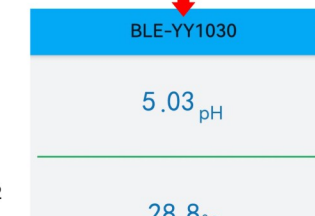
## Bluetooth connection

1. Press the "ON/OFF" button for 3-5 seconds to turn on the Bluetooth of the meter. After the Bluetooth is turned on, the screen will display the Bluetooth icon. (Picture 1)
2. Turn on the mobile phone location function, otherwise the connection will fail.
3. Turn on the Bluetooth of the mobile phone and search for the model of the meter click connect when the model of the meter appears.
4. Open the "YINMIK" APP, the APP will automatically match the model of the meter. When the APP page displays the meter model, indicating that the meter is successfully connected to the APP. (Picture 2)

Picture 1

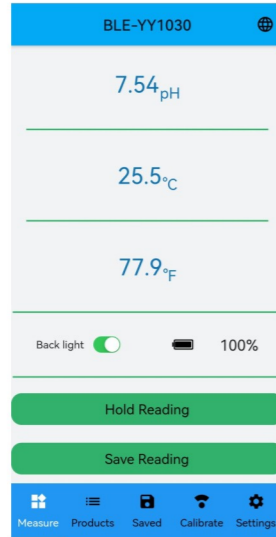


Picture 2



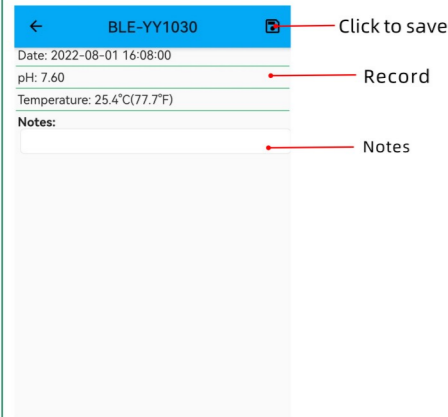
## APP FUNCTION

- Click can switch between Chinese and English
- Display all test results ( pH ; °C/°F) on the app interface
- Backlight ON / Backlight Off
- 98% Battery power
- Hold Reading is on the screen



### Save Reading

Manually save , Press to save.  
Press to view measurement record.



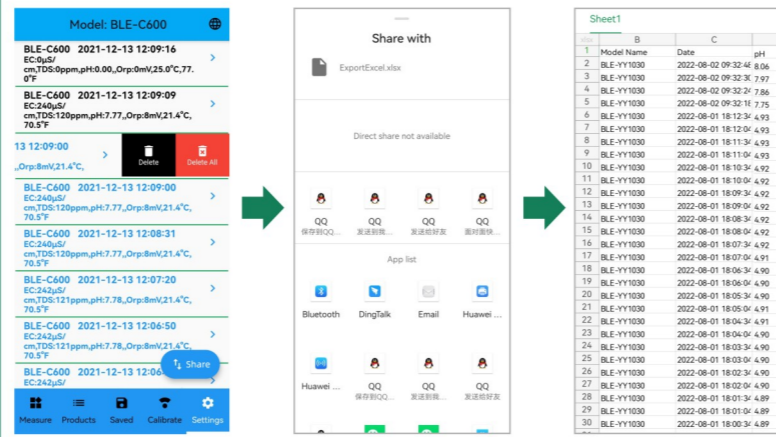
### Calibration record

Press can view calibration records.

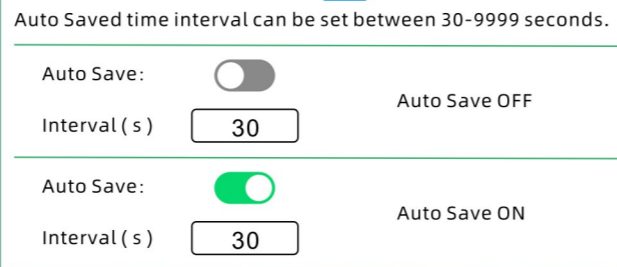


## Data viewing / sharing

Press to view records . Press to share the file .  
If connect to the printer , the testing records can be printed.



### Auto save time can be set in



### Set PH Max or Min limit values

Set the maximum or minimum pH limit according to user requirements, If the test result is out of range, the value will be displayed in red.

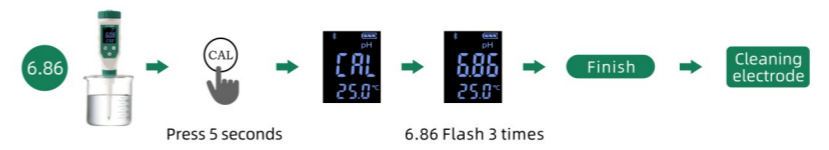


## PH CALIBRATION

1. Two calibration modes: 6.86/4.00/9.18 (Asian standard) and 7.00/4.00/10.01 (EU standard) can be chosen in . Dissolve the chosen powders in different cups with 250ml distilled water.



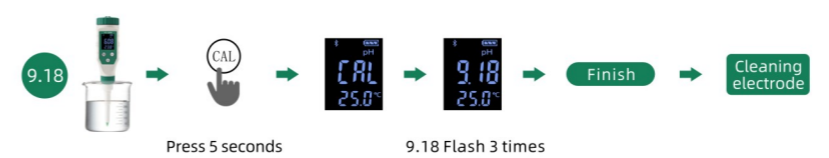
2. Put the electrode into 6.86 solution, Wait for the value to stabilize, press [CAL] for 5 seconds and the screen will display "CAL" , release the button and wait for 6.86 to flash 3 times to complete 6.86 calibration.



3. Put the electrode into 4.00 solution, Wait for the value to stabilize, press [CAL] for 5 seconds and the screen will display "CAL" , release the button and wait for 4.00 to flash 3 times to complete 4.00 calibration.



4. Put the electrode into 9.18 solution, Wait for the value to stabilize, press [CAL] for 5 seconds and the screen will display "CAL" , release the button and wait for 9.18 to flash 3 times to complete 9.18 calibration.



## NOTICE

- It is factory calibrated and can be used directly.
- When finished, clean the electrode with pure water.
- Gently stir several times to make sure there are no air bubbles around the electrode.
- Do not disassemble the instrument without permission to avoid damage.
- During the test, it is normal for the probe to generate resistance when it encounters air and the value jumps.
- Be careful not to impact or collide the electrode bulb, otherwise it will cause rupture. If damaged, the electrode needs to be replaced.

## QUALITY ASSURANCE

We warrant that this instrument is free from defects in material and workmanship, and warrant that any product that is inoperable due to poor manufacturing will be repaired or replaced by our company free of charge. This warranty does not cover damage caused by: improper use, normal wear and tear, and accidental damage, etc.

Note that the product warranty period refers to the time when the user purchases the product to provide free services, not the service life of the instrument or electrode. To apply for warranty or seek other assistance, please send an email to [jone@szyago.com](mailto:jone@szyago.com).

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
 -- Reorient or relocate the receiving antenna.  
 -- Increase the separation between the equipment and receiver.  
 -- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
 -- Consult the dealer or an experienced radio/TV technician for help.  
 The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.