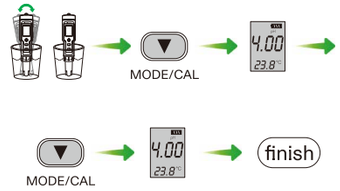
Designed by VIVOSUN in California.
Made in China.

CALIBRATION

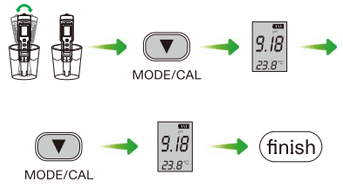
STEP 3

Rinse the pH electrode with clean water and wipe dry with clean cloth. Put it into the pH 4.00 calibration solution. Press "MODE/CAL" to switch to pH mode. Wait until the reading is stable and long press the "MODE /CAL" (for about 6 seconds) until the numbers flash. Wait for about 6 seconds for the number "4.00" flashes 3 times to finish this step.



STEP 4

Rinse the pH electrode with clean water and wipe dry with clean cloth. Put it into the pH 9.18 calibration solution. Press "MODE/CAL" to switch to pH mode. Wait until the reading is stable and long press the "MODE /CAL" (for about 6 seconds) until the numbers flash. Wait for about 6 seconds for the number "9.18" flashes 3 times to complete the pH calibration.

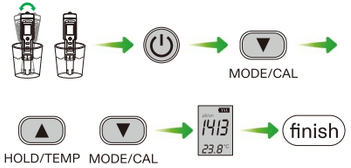


CALIBRATION

EC CALIBRATION

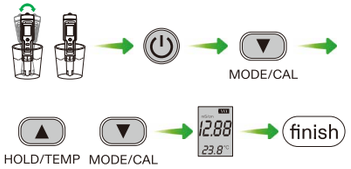
STEP 1

Prepare three different EC standard solution (sold seperately): 1413 µS/cm, 12.88 mS/cm, and 111.8 mS/cm. First, clean and wipe dry the electrode and put it into the 1413 µS/cm solution. Press the start key to turn on the device. Press "MODE/CAL" until you switch to the EC mode. Press and hold "MODE /CAL" (for about 6 seconds) and value on the display will flash. Adjust the value to 1413 µS/cm with up and down buttons. Wait until the value stops flashing and finish this step.



STEP 2

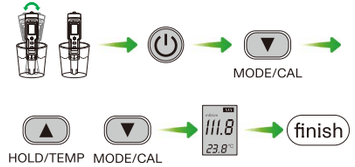
Clean and wipe dry the electrode and put it into the 12.88 mS/cm solution. Press "MODE/CAL" until you switch to the EC mode. Press and hold "MODE /CAL" (for about 6 seconds) and value on the display will flash. Adjust the value to 12.88 mS/cm with up and down buttons. Wait until the value stops flashing and finish this step.



CALIBRATION

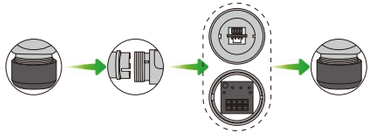
STEP 3

Clean and wipe dry the electrode and put it into the 111.8 mS/cm solution. Press "MODE/CAL" until you switch to the EC mode. Press and hold "MODE /CAL" (for about 6 seconds) and value on the display will flash. Adjust the value to 111.8 mS/cm with up and down buttons. Wait until the value stops flashing and complete the EC calibration.
Note: The TDS and SALT will be calibrate synchronously with the EC calibration.



BATTERY INSTALLATION

ELECTRODE



TROUBLE SHOOTING

RESETTING pH

1. Turn off the meter. Next, press HOLD/TEMP and MODE/CAL simultaneously without releasing either button.
2. Press the ON/OFF button. Release all buttons to complete the reset.

ATTENTION

1. Do not calibrate the device when it is not in a solution.
2. If you have not used the device for some time, be sure to calibrate it before using it again.
3. After you have finished using the device, rinse the electrode with pH neutral, clean water.
4. If pH calibration is inaccurate, please recalibrate the pH.
5. When testing purified water like spring water or drinking water, it will take longer for the readings to get stabilized (typically 3-5 minutes) because there is very ions left to be detected by the sensor in those purified water.

WARRANTY INFORMATION

WARRANTY

During the warranty period, if the device needs repair or replacement, please do not hesitate to contact us. We will issue you either a repair or replacement free of charge as long as the defect is not due to negligence or erroneous operation including but not limited that described herein by the user.
When requesting a replacement or repair, please provide proof of purchase or invoice. VIVOSUN reserves the right to make final judgement on validity of replacements, repairs, and other warranty-related activities.

VIVOSUN

5-in-1 PH Meter

USER MANUAL

Love what you grow™

Welcome to VIVOSUN

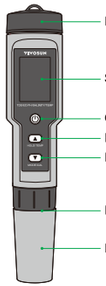
Thank you for choosing VIVOSUN.
We are committed to product quality and friendly customer service. If you have any questions or suggestions, please don't hesitate to contact us.

CONTENTS

PRODUCT CONTENTS

	5-in-1 PH Meter
	Calibration Powder

PRODUCT CONTENTS



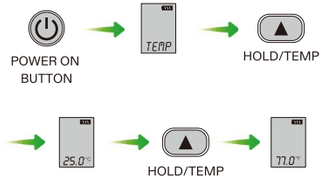
BUTTONS

	Power ON/OFF
HOLD/TEMP	Hold and Temperature shift button
MODE/CAL	Mode and Calibration shift button
▲ ▼	Adjust values up/down in calibration

OPERATION

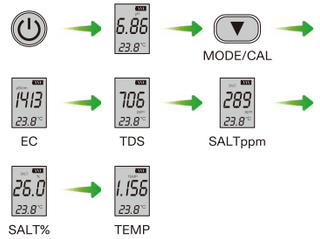
SWITCHING TEMP. UNITS (°C/°F)

Click the start button to light up the screen. Press and hold "HOLD/TEMP" to switch between Celsius (°C) and Fahrenheit (°F) by pressing the button again.



SWITCHING MODES

Press the power button to start with pH mode and then press "MODE/CAL" to switch between the various operational modes. These modes, in sequence, are: electrical conductivity (EC), total dissolved solids (TDS), salt parts per million (SALTppm), salt percentage (SALT%), temperature (TEMP).



PARAMETER

EZ- 9909SP		
pH	Range	0.00-14.00 pH
	Resolution	0.01 pH
	Accuracy	±0.05 pH
EC	Range	0-9990μS/cm; 10.01-19.99 mS/cm; 20.1-400.0 mS/cm
	Resolution	1μS/cm; 0.1mS/cm
	Accuracy	±2% F.S
TDS	Range	0-10000 ppm; 10.1-200.0 ppt
	Resolution	1 ppm; 10ppm; 0.1ppt
	Accuracy	±2% F.S.
Salt	Range	0.01-25.00 %; 0-10000 ppm; 10.1-200.0 ppt
	Resolution	0.01 %; 1ppm; 0.1ppt
	Accuracy	±2% F.S.
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
Calibration	pH	6.86 4.00 9.18 three points
	EC/TDS/ Salt	1413μS/cm; 12.88 mS/cm; 111.8 mS/cm
Environment	0.1°C-60.0°C RH: MAX 100%	
ATC	ATC 0.1°C-60.0°C	
Waterproof	IP67	
Auto-off	After 5 minutes	
Power Supply	3*1.5V (LR44) low battery indication	
Dimensions/ Weight	183*37*37mm (7.20*1.46*1.46in) / 90g	
Backlights	Yes	
Electrode	Replaceable	

CALIBRATION

PH CALIBRATION

STEP 1

Prepare three containers and add 250mL purified cold water into each contanier. Add all of the pH buffer powders in each pH pack into each container seperately and mix well. Put tags of different pH values on each standard solution and use these for the calibration.

STEP 2

Rinse the pH electrode with clean water and wipe dry with clean cloth. Put it into the pH 6.86 calibration solution. Press the start button and then press the "MODE/CAL" button to switch to pH mode. Wait until the reading is stable and long press the "MODE/CAL" button (about 6 seconds) until the numbers flash. Wait for about 6 seconds for the number "6.86" to flash 3 times to finish this step.