

ATO

**PH991 pH Meter
User Manual**

Specifications

Model	ATO-PH991
Range (PH)	0.00~14.00PH
Range (TEMP)	-50°C~70°C (-58°F~158°F)
Resolution (PH)	0.01PH
Resolution (TEMP)	0.1°C (0.2°F)
Accuracy (PH)	±0.1PH
Accuracy (TEMP)	±1.0°C (±2.0°F)
Battery	DC6V
Temperature Compensation	0°C~50°C
Operating Temperature	0°C~50°C
Dimensions	75mm×55mm×28mm
Weight	60g

Operation

1. Remove the protective cap. Put the pH electrode BNC connector into electrode socket.
2. Turn on PH by “ON-OFF” switch.
3. Remove the protective cap, clean the pH electrode with distilled water, and dry by filter paper. Dip it into the testing liquid, and shake it for a while. Then wait until the value become stable. The final value will be the pH result.
4. After use, Switch off it, Use the distilled water clean the electrode and replace the protective cap.

PH calibration

1. Immerse the electrode in pH 6.86(under the temperature of 25°C)standard buffer solution of phosphate, and gently shake the electrode .
 2. Regulate the trimmer with a screwdriver until the buffer solution value corresponding to the measurement temperature is obtained.
 3. Immerse the electrode in pH4.01or pH9.18 the standard buffer solution .
- After about one minute, until the buffer solution value corresponding to the measurement temperature is obtained.

Important

- The instrument’s pH range must be recalibrated whenever.
- The electrode has been used (laid) for long time from the last calibration.
- The electrode has been used in particularly taxing conditions.
- The utmost accuracy is required.



Battery install

If the screen darkens or gets fuzzy, or the error is large, Batteries should be replaced. Just pull out the battery case and replace it. Pay attention to the directions.

Warranty

These instruments are warranted from all defects in material and manufacturing for a period of one year from the date of purchase. If during this period, the repair or the replacement of parts is required where the damage is not due to negligence or erroneous operation by user, please return the parts to either dealer or our offices, and the repair will be effected free of charge.