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› GIDIGI 7-in-1 Digital Water Quality Tester Instruction Manual (Model B0GF67YKJ5)

GIDIGI B0GF67YKJ5

GIDIGI 7-in-1 Digital Water Quality Tester

Model: B0GF67YKJ5

INTRODUCTION

Thank you for choosing the GIDIGI 7-in-1 Digital Water Quality Tester. This multi-functional device is designed to accurately measure seven key water parameters: pH, ORP, conductivity (EC), total dissolved solids (TDS), salinity, free chlorine (FAC), and temperature. It is an essential tool for maintaining optimal water quality in various applications, including swimming pools, hot tubs, spas, aquariums, koi ponds, hydroponic systems, and for testing household drinking water.

This manual provides detailed instructions for the proper setup, operation, maintenance, and troubleshooting of your water quality tester to ensure accurate and reliable results.

Professional Pool Water Tester

**GIDIGI 7-in-1 Residual Chlorine pH Tester:
Maintain Your Pool's Health**

Ideal Pool Water:

- FAC: 1-3 mg/L
- ORP: 650 - 750mV
- pH: 7.2-7.6



Image: GIDIGI 7-in-1 Digital Water Quality Tester in use, showing ideal pool water parameters.

WHAT'S IN THE BOX

Please check the package contents to ensure all items are present:

- GIDIGI 7-in-1 Digital Water Quality Tester (1 unit)
- User Manual (1 copy)
- pH Calibration Solution (3 bottles: pH 4.00, pH 7.00, pH 10.01)

2026 Newly Upgraded pH Meter

With Large Color Screen,
AAA Batteries,
and pH Calibration Solution

- It comes with pH calibration solutions of 4.00, 7.00, and 10.01.
- You don't need to spend time or effort preparing the solutions; they are ready to use right out of the box.
- EC calibration solutions can be purchased from the GIDIGI store.



Image: The GIDIGI 7-in-1 Digital Water Quality Tester shown with the included pH calibration solutions.

KEY FEATURES

The GIDIGI 7-in-1 Digital Water Quality Tester offers the following features:

- **7-in-1 Functionality:** Measures pH, ORP, EC, TDS, Salinity, Free Chlorine (FAC), and Temperature.
- **Wide Application:** Suitable for pools, hot tubs, spas, aquariums, koi ponds, hydroponics, and drinking water.
- **Backlit Color Screen:** Provides clear readings in various lighting conditions.
- **Automatic Temperature Compensation (ATC):** Ensures accurate readings across different temperatures.
- **Easy Calibration:** Simple pH calibration process with included solutions.
- **Portable and Durable Design:** Compact body for easy handling and transport.



Image: A visual representation of the GIDIGI 7-in-1 water quality tester highlighting its multiple measurement capabilities.

SETUP

1. Battery Installation

The device typically uses AAA batteries. To install or replace batteries:

1. Locate the battery compartment on the back of the device.
2. Open the compartment cover.
3. Insert the batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.

2. Initial Preparation

Before first use, or after prolonged storage:

- Remove the protective cap from the probe.
- Rinse the probe with clean water to remove any storage solution or residue.
- Gently dry the probe with a soft, lint-free cloth or tissue.

OPERATION

1. Powering On/Off

Press the power button (**U/I** symbol) to turn the device on or off.

2. Switching Measurement Modes

The tester can switch between pH, EC, TDS, Salinity, ORP, FAC, and Temperature modes. Short press the **MODE/CAL** button to cycle through the different measurement parameters.



Image: Visual guide on how to short press the MODE/CAL button to switch between pH, EC, TDS, Salinity, ORP, and FAC modes.

3. Taking Measurements

To take a measurement:

1. Ensure the device is powered on and the desired measurement mode is selected.
2. Immerse the probe into the water sample, ensuring the electrodes are fully submerged.
3. Gently stir the device to remove any air bubbles.
4. Wait for the reading to stabilize on the display.
5. Press the **HOLD** button to freeze the reading on the screen for easier recording. Press again to release.
6. After measurement, rinse the probe with clean water and dry it before replacing the protective cap.

4. Temperature Unit Conversion

Press the °C/°F button to switch between Celsius and Fahrenheit temperature units.

5. pH Calibration

Regular calibration ensures the accuracy of your pH readings. It is recommended to calibrate the pH function regularly, especially after prolonged storage or if readings appear inaccurate. Always calibrate pH 7.0 first, then pH 4.0 or pH 10.0.

1. **Preparation:** Ensure the device is in pH mode. Clean the probe with clean water and dry it. Prepare the pH 7.00, pH 4.00, and pH 10.01 buffer solutions.
2. **Calibrate pH 7.00:** Immerse the probe into the pH 7.00 buffer solution. Wait for the reading to stabilize. Long press the **MODE/CAL** button for 5 seconds until "CAL" appears on the screen. The display will flash "7.0". Once stable, the flashing will stop, indicating successful calibration. Clean and dry the probe.
3. **Calibrate pH 4.00:** Immerse the probe into the pH 4.00 buffer solution. Wait for the reading to stabilize. Long press the **MODE/CAL** button for 5 seconds until "CAL" appears. The display will flash "4.0". Once stable, the flashing will stop. Clean and dry the probe.
4. **Calibrate pH 10.01 (Optional):** If your application requires high pH measurements, immerse the probe into the pH 10.01 buffer solution. Wait for the reading to stabilize. Long press the **MODE/CAL** button for 5 seconds until "CAL" appears. The display will flash "10.0". Once stable, the flashing will stop. Clean and dry the probe.

Video: Detailed steps on how to calibrate the pH function of the GIDIGI water quality tester using pH 7.0, 4.0, and 10.0 buffer solutions.



Food Acidity Levels - Can Be Used as a pH Meter

Image: Visual steps for pH 7.0 calibration, showing immersion, stabilization, and confirmation.



Salinity Meter for Fish and Koi Ponds

Ideal for Saltwater Aquariums

- pH: 8.2-8.6
- Salinity: 30-35 ppt
- Temperature: 75.0-82.0°F

Ideal for Freshwater Aquariums

- pH: 7.0-7.2
- Salinity: 0-5000 ppm
- Temperature: 73.5-82.5°F

Ideal for Koi Ponds

- pH: 7.2 - 7.5
- ORP: 300 - 400 mV
- Salinity: 0-1000 ppm
- Temperature: 68.0°F - 82.0°F

Image: Visual steps for pH 4.0 calibration, following the pH 7.0 calibration.



Household Drinking Water - Can be Used as a TDS Meter

A TDS meter is a good tool for judging the efficiency of a water purifier. If the tap water TDS value is 200 ppm, and it drops to 10-20 ppm after RO filtration, it means the machine is working normally; if the value increases, it means the filter cartridge needs to be replaced.

Image: Visual steps for pH 10.0 calibration, to be performed after pH 7.0 calibration.

6. Specific Applications

The GIDIGI tester is versatile for various water testing needs:

- **Pools and Spas:** Monitor FAC (Free Chlorine), pH, and ORP to ensure safe and disinfected water. Ideal FAC range is 1-3 mg/L, pH 7.2-7.6.
- **Hydroponics:** Measure EC and pH to optimize nutrient absorption for plant growth. Optimal pH for most hydroponic plants is 5.5-6.5.
- **Drinking Water:** Check TDS levels to assess water purity and filter efficiency.
- **Aquariums and Koi Ponds:** Monitor salinity, pH, and ORP for a healthy aquatic environment.

Widely Used in Various Fields



FAC+Salt+pH



TDS+pH+ORP



pH+Salt+EC



Salt+pH+TDS



ORP+FAC+TEMP.



EC+pH+Salt

Image: The GIDIGI water quality tester being used in diverse environments, demonstrating its wide range of applications.

Residual Chlorine Content in Water Clearly Displayed



Image: Visual guide for interpreting residual chlorine content for swimming pools and drinking water safety.



Image: Guidelines for using the salinity meter in saltwater aquariums, freshwater aquariums, and koi ponds.



Image: Explanation of EC meter usage in hydroponics to monitor nutrient solution concentration.

pH 10.0 Calibration

Calibration Note: Calibrate 7.0 first, then calibrate 4.0 or 10.0.

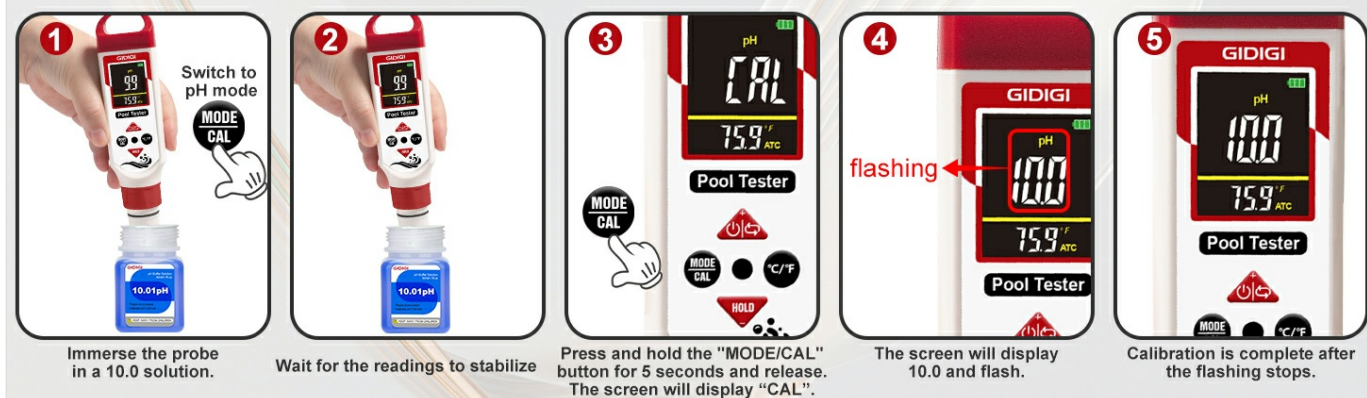


Image: Demonstration of TDS meter use for testing household drinking water and assessing water purifier efficiency.

MAINTENANCE

1. Cleaning the Probe

After each use, or if the probe appears dirty:

- Rinse the probe thoroughly with clean, distilled, or deionized water.
- Gently wipe the probe with a soft, lint-free cloth or tissue to remove any water droplets or residue. Do not rub vigorously.
- Avoid touching the sensor directly with your fingers, as oils can affect readings.

2. Storage

Proper storage is crucial for maintaining probe longevity and accuracy:

- Always replace the protective cap after use.
- Store the device in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the probe is kept moist with a few drops of pH storage solution or pH 7.0 buffer solution in the protective cap. Do not store dry.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate readings	Probe is dirty or dry; calibration is needed; expired buffer solutions.	Clean the probe; perform pH calibration; use fresh buffer solutions.
Slow response time	Probe is dirty or aged.	Clean the probe thoroughly; consider replacing the device if the issue persists after cleaning and calibration.
Display not turning on	Low or dead batteries; device malfunction.	Replace batteries; if still not working, contact customer support.
Readings fluctuate excessively	Air bubbles around the probe; electrical interference; unstable sample.	Gently stir the probe to remove bubbles; ensure no strong electrical fields nearby; allow sample to stabilize.

SPECIFICATIONS

Parameter	Range	Resolution	Accuracy
pH	0.00 - 14.00 pH	0.01 pH	±0.05 pH
ORP	-1200mV - +1200mV	1mV	±2mV
EC (Conductivity)	0.00-19.99mS/cm; 20.0-200.0mS/cm	0.01mS/cm; 0.1mS/cm	±2% F.S.
TDS	0-999 ppm; 1000-9990ppm; 10.1-100.0ppt	1 ppm; 10 ppm; 0.1 ppt	±2% F.S.
Salinity	0-999 ppm; 1000-9990ppm; 10.1-100.0ppt	1 ppm; 10 ppm; 0.1 ppt	±2% F.S.
Free Chlorine (FAC)	0.0 - 4.0 mg/L	0.1 mg/L	±0.5 mg/L
Temperature	0.1-60.0°C / 32.1-140°F	0.1°C / 0.1°F	±0.5°C

Additional Specifications:

- **Automatic Temperature Compensation (ATC):** Yes
- **Power Source:** AAA Batteries (not specified, but common for similar devices)
- **Package Dimensions:** 10.08 x 5.83 x 2.13 inches
- **Item Weight:** 1.28 pounds
- **Manufacturer:** Jinan jixin dianzi youxiangongsi

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official GIDIGI website or contact the seller directly through your purchase platform. Keep your purchase receipt as proof of purchase for any warranty claims.

If you encounter any issues not covered in the troubleshooting section, please reach out to customer service for assistance.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question