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› GIDIGI GX-7B 7-in-1 Digital Water Quality Tester Instruction Manual

GIDIGI GX-7B

GIDIGI GX-7B 7-in-1 Digital Water Quality Tester

Model: GX-7B

INTRODUCTION

The GIDIGI GX-7B is a versatile 7-in-1 digital water quality tester designed for accurate measurement of various water parameters. This device provides readings for pH, Free Chlorine (FAC), Salinity, Total Dissolved Solids (TDS), Electrical Conductivity (EC), Oxidation-Reduction Potential (ORP), and Temperature. It is suitable for a wide range of applications including swimming pools, spas, aquariums, hydroponics, drinking water, and more.



Image: The GIDIGI GX-7B 7-in-1 Digital Water Quality Tester, showing its compact design.

PACKAGE CONTENTS

Please verify that all items are present in the package:

- One (1) GIDIGI GX-7B Meter
- One (1) User Manual
- Three (3) pH Calibration Powders

SETUP

Before first use, ensure the batteries are correctly installed and familiarize yourself with the meter's components.

Component Identification

Professional Pool Test Kit

Ideal pH: 7.2-7.8

Ideal ORP: 650-750mV

Ideal temperature: 23.0-29.0°C



indoor pool



outdoor pool



SPA



Image: Detailed diagram illustrating the components of the GIDIGI GX-7B meter, including the battery compartment, HD-LCD backlight, ON/OFF button, Hold/Temp button, MODE/CAL button, protective cap, replaceable probe, EC/TDS/SALT probe, ORP probe, pH probe, and temperature probe.

1. **Battery Installation:** Unscrew the battery compartment cap at the top of the meter. Insert three (3) LR44 button batteries, ensuring correct polarity. Replace the cap securely.
2. **Protective Cap Removal:** Gently remove the protective cap from the bottom of the meter to expose the probes.
3. **Initial Rinse:** Before first use and after each use, rinse the probes with distilled water to remove any residue.

OPERATING INSTRUCTIONS

Follow these steps for general operation and specific measurements.

General Measurement Procedure

1. **Turn On:** Press the **ON/OFF** button to power on the device.
2. **Submerge Probe:** Submerge the probe section of the meter into the water sample to be tested. Ensure the probes are fully immersed.
3. **Wait for Stable Reading:** Allow a few seconds for the reading on the HD-LCD backlight display to stabilize.

4. **Interpret Reading:** Read the displayed value. Refer to the specific parameter sections below for ideal ranges and interpretation.
5. **Clean and Store:** After use, rinse the probe with distilled water, gently wipe dry, and replace the protective cap.

Switching Measurement Modes

Press the **MODE/CAL** button to cycle through the different measurement modes: pH, Free Chlorine (FAC), Salinity (ppm, ppt, %), TDS, EC, ORP, and Temperature (°C/°F).

Temperature Measurement

The meter automatically compensates for temperature. To switch between Celsius (°C) and Fahrenheit (°F), press and hold the **Hold/Temp** button.

Hold Function

During measurement, press the **Hold/Temp** button briefly to freeze the current reading on the display. Press it again to release the hold and resume live readings.

pH Measurement

The pH function measures the acidity or alkalinity of water. Ideal pH for swimming pools is typically between 7.2 and 7.8.



Professional Chlorine Pool Test Kit

Chlorine Measurements:

- Ideal pH: 7.2-7.8
- Ideal Chlorine: 1-3ppm
- Ideal ORP: 650-750mV

FAC

- Ideal pH: 7.2-7.8
- Ideal ORP: 650-750mV

 **Make sure your pool pH is 7.2-7.8 and ORP is 650-750mV**

Image: The GIDIGI GX-7B meter displaying a pH reading in a swimming pool environment.

Free Chlorine (FAC) Measurement

This function measures the level of active chlorine in water. The ideal range for free chlorine in pools is 1-3 ppm.

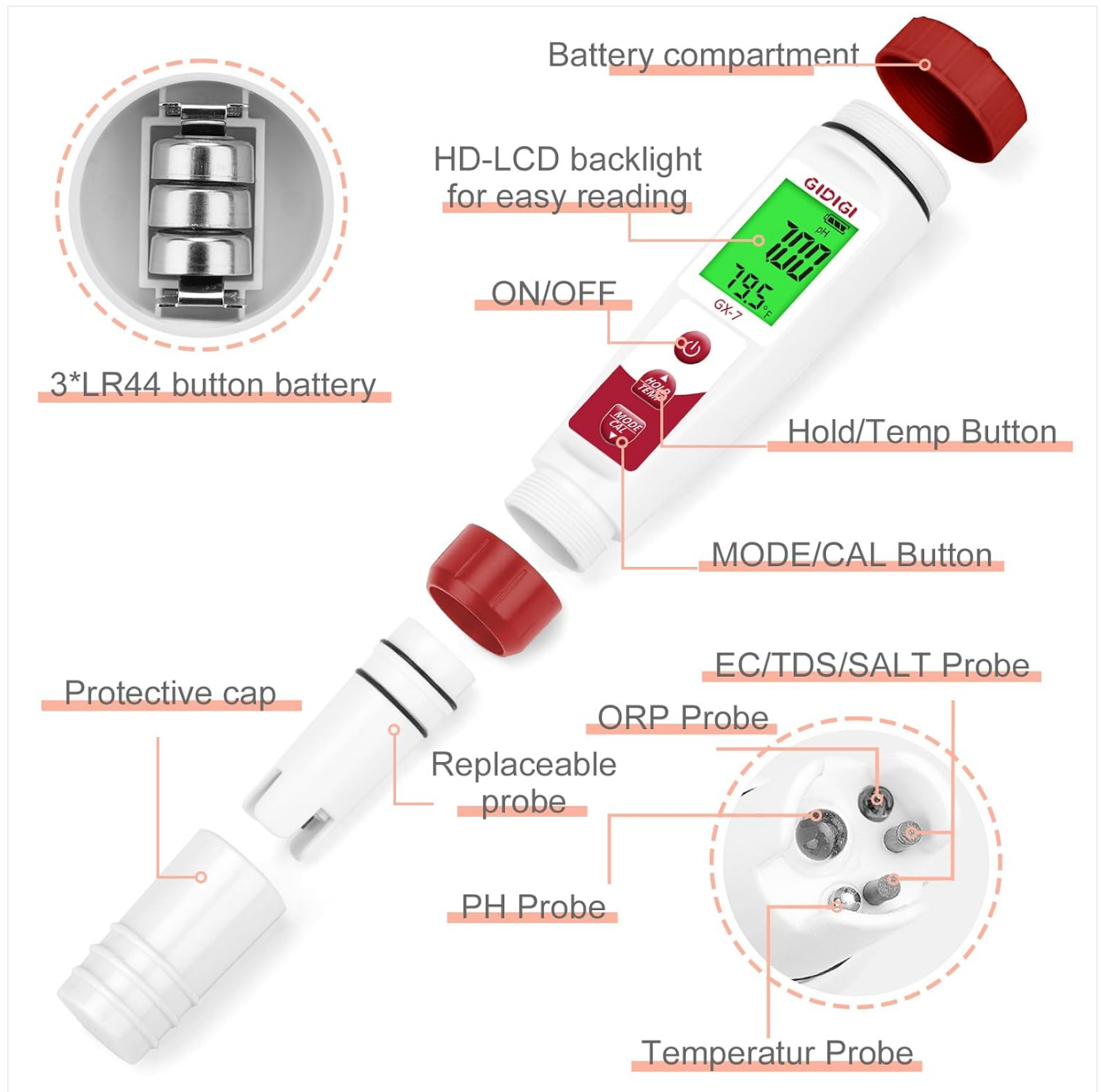


Image: The GIDIGI GX-7B meter displaying a Free Chlorine (FAC) reading.

Salinity Measurement

The meter can measure salinity in ppm, ppt, or percentage. For saltwater pools, the ideal salinity range is typically 2700-3400 ppm. For freshwater fish, salinity should be ≤ 500 ppm, and for saltwater fish, topping off water should be ≤ 50 ppm.



Image: The GIDIGI GX-7B meter displaying a Salinity reading in ppm.

ORP Measurement

ORP (Oxidation-Reduction Potential) indicates the water's ability to break down contaminants. For pools and spas, an effective ORP range is 650-750 mV.

The Importance of pH Value in Swimming Pools

Adjust the pH value and maintain it within the recommended range.

The optimal pH level is between 7.2 and 7.8

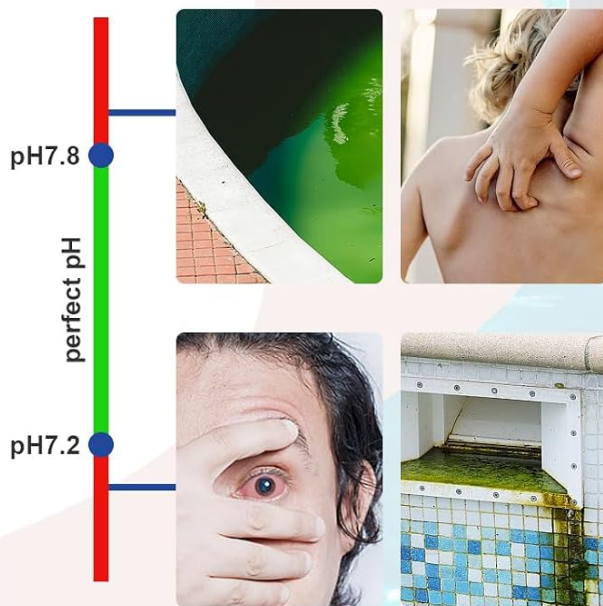


Image: The GIDIGI GX-7B meter displaying an ORP reading.

Calibration

Regular calibration ensures the accuracy of your meter. pH calibration is crucial for reliable readings. The meter comes with three pH calibration powders.

1. Prepare calibration solutions using the provided powders and distilled water according to their instructions. Typically, pH 4.00, pH 7.00, and pH 10.01 solutions are used.
2. Turn on the meter and select the pH mode.
3. Submerge the probe into the first calibration solution (e.g., pH 7.00).
4. Once the reading stabilizes, press and hold the **MODE/CAL** button for 5 seconds. The display will show "CAL" and the value (e.g., 7.00) will flash.
5. The meter will automatically recognize the solution and calibrate. Repeat this process for other pH calibration solutions (e.g., pH 4.00 and pH 10.01).
6. After calibration, rinse the probe with distilled water.

Your browser does not support the video tag.

Video: A guide demonstrating the pH calibration process for the GIDIGI water quality tester. This video shows how to use calibration solutions to ensure accurate pH readings.

MAINTENANCE

Proper maintenance extends the life and accuracy of your GIDIGI GX-7B meter.

Cleaning the Probe

- Always rinse the probe thoroughly with distilled water after each use.
- Do not use tap water for rinsing as it may contain minerals that can affect the probe.
- Gently wipe the probe with a clean, soft cloth. Avoid abrasive materials.

Storage

- Ensure the protective cap is securely placed over the probe when not in use.
- Store the meter in a cool, dry place, away from direct sunlight and extreme temperatures.
- If storing for an extended period, ensure the probe remains moist. Some users prefer to store pH probes in a small amount of pH storage solution or saturated KCl solution (not distilled water).

Battery Replacement

When the battery indicator on the display shows low power, replace the LR44 button batteries as described in the Setup section.

TROUBLESHOOTING

If you encounter issues with your GIDIGI GX-7B meter, try the following solutions:

Problem	Possible Cause	Solution
Inaccurate or erratic readings	Uncalibrated meter, dirty probe, damaged probe, expired calibration solutions.	Perform a full calibration. Clean the probe thoroughly. Ensure calibration solutions are fresh. If issues persist, the probe may need replacement.
Meter does not turn on	Dead batteries, incorrect battery installation.	Replace batteries with new LR44 button cells. Check battery polarity.
Display is dim or unreadable	Low battery.	Replace batteries.
Slow response time	Dirty probe, dry probe.	Clean the probe. Ensure the probe is properly hydrated (if applicable for pH probes).

SPECIFICATIONS

Parameter	Value
Model Number	GX-7B
pH Range	0-14
Measurements	pH, Free Chlorine (FAC), Salinity, TDS, EC, ORP, Temperature
Power Source	3 x LR44 Button Batteries
Display	HD-LCD with Backlight
Automatic Temperature Compensation (ATC)	Yes

Parameter	Value
Electrode Type	Platinum electrode with anti-oxidation sponge technology
Included Components	Meter, User Manual, pH Calibration Powders
Recommended Uses	Aquarium, Chlorine Test, Home Water, Salinity Test, Spa, Swimming Pool, TDS Test, Tap Water, Water Quality Testing, Well Water, pH Test

WARRANTY

The GIDIGI GX-7B Digital Water Quality Tester is covered by a **FULL LIFETIME WARRANTY** . Please retain your proof of purchase for warranty claims.

SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact the seller, JXTEXT. You can typically find their contact information through your purchase platform or by searching for 'JXTEXT-Click, if you have any questions' online.

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