

Irfora 9951W

Irfora 9951W Bluetooth WiFi 5-in-1 Water Quality Tester User Manual

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Irfora 9951W Bluetooth WiFi 5-in-1 Water Quality Tester. This device is designed for precise measurement of pH, Total Dissolved Solids (TDS), Salinity (SALT), Specific Gravity (SG), and Temperature in various water environments.

KEY FEATURES

- **5-in-1 Multifunctionality:** Measures pH, TDS, SALT, SG, and Temperature.
- **Bluetooth & WiFi Connectivity:** Enables remote monitoring and data management via a dedicated mobile application.
- **Real-time Data & Storage:** View live data and store historical data for up to 30 days within the app.
- **Alarm Function:** Set custom alarm values within the application for critical parameters.
- **Backlit Digital Screen:** Enhances readability in various lighting conditions.
- **Wide Measurement Ranges:**
 - pH: 0.00-14.00 pH
 - TDS: 0-19900 ppm, 0-199.0 ppt
 - SALT: 0-199.0 ppt, 0%-20%
 - SG: 0.990-1.400
 - Temperature: 0°C-50°C (32°F-122°F)
- **Versatile Applications:** Suitable for aquariums, hydroponics, swimming pools, ponds, laboratories, and distinguishing potable water.
- **Compact Design:** Space-saving with included suction cups for easy mounting.

PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Water Quality Analyzer (Main Unit)

- 1 x Electrode (pH/TDS/SALT/SG/Temp probe)
- 1 x Accessory Pack (likely includes suction cups, calibration solutions)
- 1 x Charger (EU Plug)
- 1 x User Manual (English)

SETUP INSTRUCTIONS

1. Electrode Preparation:

Before initial use and after each measurement, clean the electrode thoroughly with distilled water. Gently dry the electrode to prevent contamination.



Image: The main unit of the Irfora 9951W tester with its two probes and suction cups for mounting.

2. Mounting the Device:

The main unit is compact and includes two suction cups for easy mounting. Choose a suitable location near your water source (e.g., aquarium, hydroponic system) and secure the device using the suction cups.

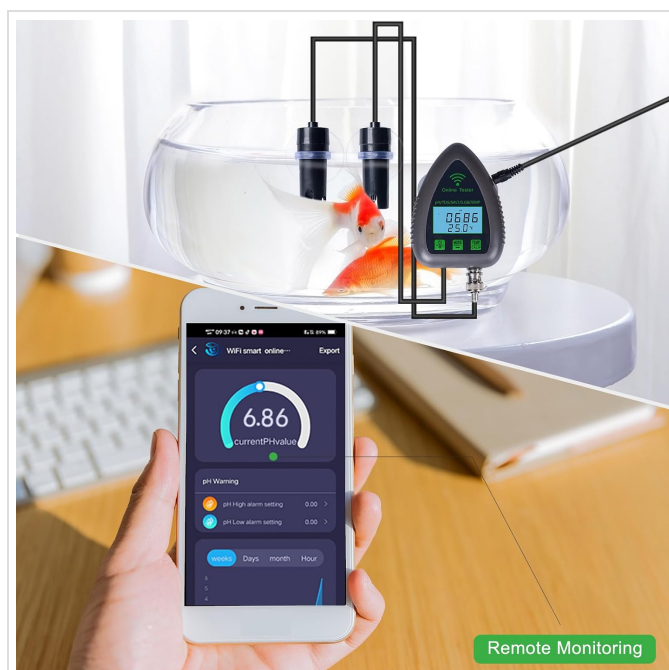


Image: The Irfora 9951W device mounted on an aquarium, demonstrating its use for remote monitoring.

3. Connecting the Electrode:

Carefully connect the electrode cable to the designated port on the main unit. Ensure a secure connection.

4. Power Connection:

Connect the provided charger to the device and plug it into a suitable EU power outlet.

5. Submerging the Electrode:

Submerge the electrode into the water you wish to test. Ensure the sensor part of the electrode is fully immersed.

OPERATING INSTRUCTIONS

Initial Power On and Display

Once powered, the device's backlit digital screen will activate, displaying current pH and temperature readings. The unit supports temperature display in both Celsius (°C) and Fahrenheit (°F).



Image: The Irfora 9951W main unit displaying real-time pH and temperature readings.

Bluetooth and WiFi Connectivity (App Integration)

The Irfora 9951W features Bluetooth and WiFi for remote monitoring via a mobile application. This allows you to view data and manage settings from your smartphone.

1. Download the App:

Search for the official Irfora water quality tester application on your smartphone's app store (compatible with iOS and Android systems).



Image: The mobile application interface showing real-time data and historical trends, demonstrating WiFi connection and data transfer.

2. Pairing:

Follow the in-app instructions to pair your device via Bluetooth and connect it to your WiFi network. This enables real-time data transfer and remote access.

3. Remote Monitoring:

Once connected, you can monitor all 5 parameters (pH, TDS, SALT, SG, Temperature) from anywhere with an internet connection.

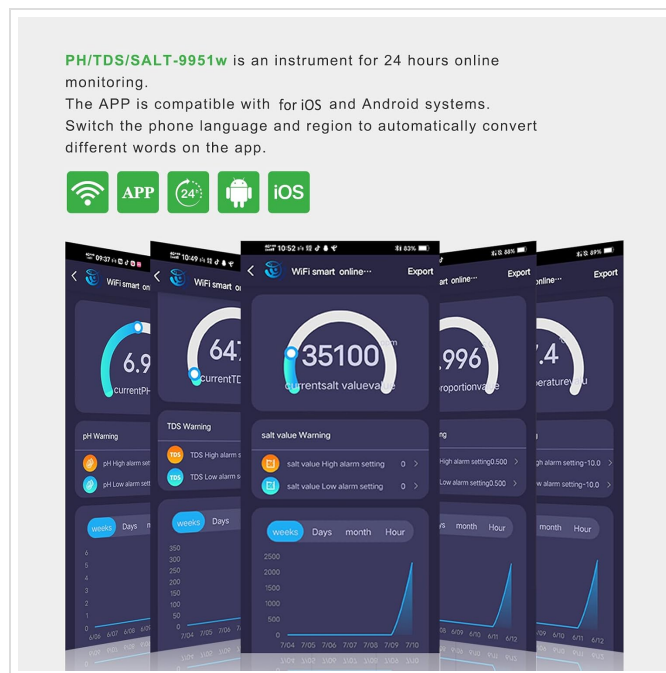


Image: Various screenshots of the mobile application displaying different water quality parameters and their historical data.

Data Management and Export

The device automatically stores data, which can be accessed and managed through the mobile application.

• Data Storage:

The app stores historical data for up to 30 days, allowing you to track trends over time.

• Data Export:

You can export data in an Excel sheet format directly from the app. This data can be sent to your email for further analysis.



Image: Illustration of data output to an Excel sheet via email, detailing data grouping options (hourly, daily, weekly, monthly).

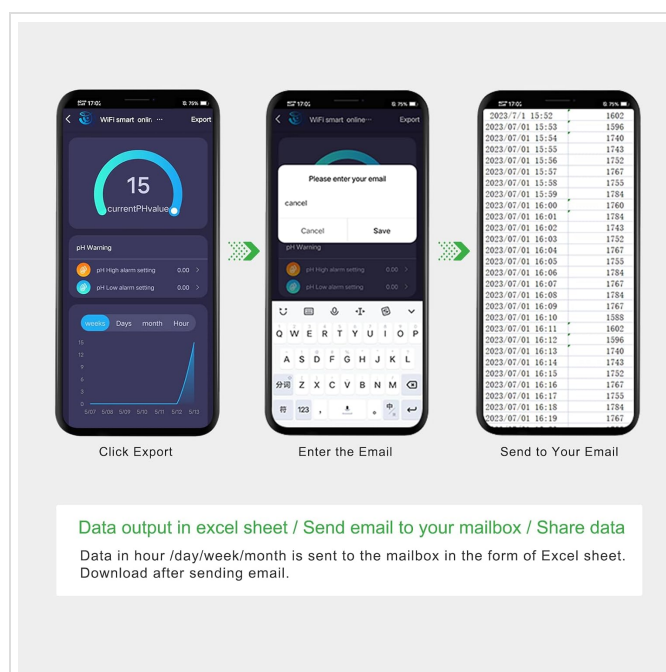


Image: Step-by-step guide within the app for exporting data to an email address.

Alarm Settings

The mobile application allows you to set custom high and low alarm values for each parameter. If a measurement falls outside these set limits, you will receive a notification.

Measurement Ranges and Resolution

The Ifora 9951W provides precise measurements across a broad spectrum:

Measurement Specifications

Parameter	Range	Resolution	Accuracy
pH Value	0.00-14.00 pH	0.01 pH	±0.03
TDS	0-19900 ppm, 0-199.0 ppt	1 ppm (<1999 ppm), 10 ppm (>1999 ppm), 0.1 ppt	±2%FS

Parameter	Range	Resolution	Accuracy
SALT	0-199.0 ppt, 0%-20%	0.1 ppt, 0.01%	±2%FS
SG	0.990-1.400	0.001	N/A
Temperature	0°C-50°C (32°F-122°F)	0.1°C (0.2°F)	±1.0°C



Image: The Irfora 9951W tester in a hydroponic environment, illustrating its application and displaying its full measurement ranges.

MAINTENANCE

- Electrode Cleaning:**
Regularly clean the electrode with distilled water to ensure accurate readings. Avoid using tap water or abrasive materials that could damage the sensor.
- Storage:**
When not in use for extended periods, ensure the electrode is properly stored according to manufacturer recommendations (e.g., in a protective cap with a storage solution, if applicable).
- Calibration:**
Periodic calibration of the pH and other sensors is recommended for maintaining accuracy. Refer to the app or device settings for calibration procedures.

TROUBLESHOOTING

If you encounter issues with your Irfora 9951W water quality tester, refer to the following common solutions:

- Inaccurate Readings:**
 - Ensure the electrode is clean and free from debris.
 - Verify that the electrode is fully submerged in the water sample.
 - Perform a calibration of the relevant parameter (pH, TDS, etc.) using standard calibration solutions.
 - Check for any damage to the electrode or its cable.

- **No Display/Power:**

- Confirm that the charger is properly connected and plugged into a working power outlet.
- Check the power button on the device.

- **App Connectivity Issues (Bluetooth/WiFi):**

- Ensure Bluetooth is enabled on your smartphone.
- Verify that the device is within range of your WiFi router.
- Restart the device and your smartphone.
- Check for app updates.
- Ensure correct WiFi password entry during setup.

- **Data Not Storing/Exporting:**

- Confirm stable WiFi connection.
- Check app permissions for storage and email access.
- Ensure sufficient storage on your smartphone.

TECHNICAL SPECIFICATIONS

- **Model:** Irfora 9951W
- **Functions:** pH, TDS, SALT, SG, Temperature
- **Temperature Unit:** Switchable °C/°F
- **Data Storage:** Automatic, up to 30 days in app
- **Connectivity:** Bluetooth, WiFi (App remote control)
- **Material:** ABS
- **Item Dimensions:** 100 x 75 x 22 mm
- **Item Weight:** 121 g
- **Package Dimensions:** 23.2 x 15.5 x 6.5 cm
- **Package Weight:** 488 g
- **Power Connector:** EU Plug

WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided at the time of purchase or contact your retailer. For technical support or further assistance, please reach out to Irfora customer service through their official channels, which may be listed in the product packaging or on their website.

Please retain your purchase receipt for warranty claims.

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

Open the live page

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