

Fockety Diydegiti2qyzgkfx

Fockety Portable Water Quality Turbidity Meter User Manual

Model: Diydegiti2qyzgkfx

1. INTRODUCTION

The Fockety Portable Water Quality Turbidity Meter is a precise and intelligent instrument designed for accurate turbidity detection in various liquid samples. Utilizing the 90° scattered light principle, it offers excellent linearity and repeatability in measurements. Its compact and portable design, combined with user-friendly operation, makes it an ideal tool for field and laboratory applications.

2. PRODUCT OVERVIEW

This turbidity meter is equipped with advanced features to ensure reliable performance:

- **Easy Reading:** Features a high-quality green light digital tube backlit screen for clear visibility of values both indoors and outdoors, ensuring comfortable reading unaffected by natural light.
- **High-Precision Optics:** Employs a high-precision optical system based on 90° scattered light measurement from an infrared light source, allowing for accurate turbidity readings and zero calibration capability.
- **Microcomputer Configuration:** Integrated microcomputer offers average measurement mode, data storage, and query functions, with automatic range switching for convenience.
- **Portable Design:** Designed for easy handling and transport, complete with a dedicated storage box.



Figure 2.1: Front view of the Fockety Portable Turbidity Meter, showing the display screen and control buttons.



Figure 2.2: The turbidity meter in an operational setting, demonstrating its application in water

quality analysis.



Suitable for water works, water treatment plants, water reuse in swimming pools, food and beverage industries



Figure 2.3: Examples of typical applications for the turbidity meter, including drinking water, domestic water, and pool water testing.

3. PACKAGE CONTENTS

Please check the package carefully upon receipt to ensure all items are present:

- 1 x Digital Turbidity Meter
- 3 x Sample Bottles
- 1 x Dropper
- 1 x Calibration Solution
- 1 x USB Cable
- 1 x User Manual
- 1 x Plastic Storage Box



Figure 3.1: Complete set of items included in the package.



Figure 3.2: The durable plastic storage box for convenient transport and protection.

4. SPECIFICATIONS

Parameter	Value
Measurement Principle	90° Scattered Light
Minimum Indication (NTU)	0.1
Measurement Range (NTU)	0-200
Power Supply	5 x 1.5V AA Batteries (not included)
Product Dimensions	Approx. 35.79 x 25.6 x 15 cm
Product Weight	Approx. 1.29 kg

5. SETUP

5.1 Battery Installation

The turbidity meter requires 5 x 1.5V AA batteries (not included). To install:

1. Locate the battery compartment on the bottom of the device.
2. Slide open the battery compartment cover.
3. Insert 5 AA batteries, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.



Figure 5.1: Bottom view of the device, indicating the battery compartment.

5.2 Initial Checks

Before first use, ensure:

- The measuring cell is clean and dry.
- The shielding cover is free of dust.
- The device is placed on a stable, level surface.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press the **Power** button (usually marked with a circle and vertical line) to turn the device on or off.

6.2 Measurement Procedure

1. Prepare your sample in one of the provided sample bottles. Ensure the bottle is clean and free of air bubbles.
2. Open the sample chamber cover on the top of the meter.
3. Carefully insert the sample bottle into the chamber, ensuring it is properly seated.
4. Close the sample chamber cover.
5. Select the 'Measure' option on the display using the navigation buttons and press 'Enter'.
6. The device will perform the measurement and display the turbidity value in NTU.



Figure 6.1: Detail of the sample chamber where the sample bottle is inserted.

6.3 Calibration

Regular calibration ensures measurement accuracy. Use the provided calibration solution.

1. Select the 'Cal' (Calibration) option from the main menu.
2. Follow the on-screen prompts to perform the calibration using the standard solution.
3. Ensure the calibration solution is at room temperature and free of bubbles.

6.4 Data Storage and Query

The device supports data storage and query functions:

- To save a measurement, press the 'Store' button after a reading.
- To view stored data, select the 'Query' option from the menu.

7. MAINTENANCE

Proper maintenance will extend the life and accuracy of your turbidity meter:

- **Cleaning:** Always keep the measuring cell clean and dry. After each use, rinse sample bottles thoroughly with distilled water.
- **Storage:** When not in use, ensure the shielding cover is in place and free of dust. Store the device in its plastic box in a cool, dry environment.
- **Environmental Conditions:** Ensure the device is operated within specified environmental conditions. In humid climates, allow for an extended startup time.

8. TROUBLESHOOTING

If you encounter issues with your turbidity meter, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on	Low or dead batteries; incorrect battery installation	Replace batteries; check battery polarity
Inaccurate readings	Dirty sample cell; expired calibration; air bubbles in sample	Clean sample cell; recalibrate device; ensure sample is free of bubbles
Display is dim or unreadable	Low batteries; extreme temperature	Replace batteries; operate within recommended temperature range
Buttons unresponsive	Device frozen; internal error	Remove and reinsert batteries to reset; contact support if issue persists

If the problem persists after attempting these solutions, please contact customer support.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided with your purchase or visit the official Fockety website. Keep your purchase receipt as proof of purchase for any warranty claims.

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