

Pawfly Pawfly-2080-TP

Pawfly Glass CO2 Drop Checker: Aquarium CO2 Monitor Kit User Manual

Model: Pawfly-2080-TP

1. INTRODUCTION

The Pawfly Glass CO2 Drop Checker is designed to help you accurately monitor the carbon dioxide (CO2) levels in your planted aquarium. Maintaining optimal CO2 is crucial for healthy plant growth and the well-being of your aquatic life. This kit provides a simple and reliable method for continuous CO2 level assessment, ensuring a thriving underwater environment.



Image: The Pawfly Glass CO2 Drop Checker kit, including the glass drop checker, reagent solution, and suction cups.

2. PACKAGE CONTENTS

Your Pawfly Glass CO2 Drop Checker kit includes the following components:

- Curved glass tubing (CO2 drop checker)
- Bottle of CO2 reagent solution
- 2 suction cups

Vital CO₂ Detection



Effects of Excessive CO₂

Fish suffocation

pH drop & stressed fish

Plant overgrowth

Effects of Insufficient CO₂

Poor photosynthesis

Yellowing/damaged leaves

Stunted plant growth

Image: This image illustrates the contents of the kit, including the glass drop checker, reagent solution bottle, and a suction cup, along with their approximate dimensions.

3. SETUP INSTRUCTIONS

Follow these steps to correctly set up your Pawfly Glass CO₂ Drop Checker for accurate monitoring:

1. **Attach the Suction Cup:** Securely attach one suction cup to the glass tubing of the CO₂ drop checker.
2. **Add Reagent Solution:** Carefully add approximately 20 drops of the CO₂ reagent solution into the glass tubing. Avoid overfilling.
3. **Tilt to Fill Bulb:** Gently tilt the tubing to allow the reagent solution to flow into the bulbous bottom section of the drop checker.
4. **Orient Correctly:** Ensure the opening of the glass tubing faces downwards. This orientation is critical for proper CO₂ exchange with the aquarium water.
5. **Mount in Aquarium:** Press the suction cup firmly against the inside wall of your aquarium, positioning the drop checker vertically. Choose a location where it is visible but not directly in the path of strong water flow.

Allow approximately 2 hours for the reagent solution to stabilize and react with the CO₂ in the aquarium water before reading the results.

A Cinch to Achieve Lush Plants & Happy Fish



(NOTE: For best accuracy, replace the solution every 30 days.)

Image: This visual guide demonstrates the five simple steps for installing the CO2 drop checker in your aquarium, from adding the solution to securing it on the tank wall.

4. OPERATING THE CO2 DROP CHECKER

The CO2 drop checker provides a visual indication of your aquarium's CO2 levels through the color of the reagent solution. Interpret the results as follows:

Green or Light Green: Indicates an *optimal CO2 balance*, ideal for healthy plant growth and fish well-being.

Yellow: Signals *excessive CO2 levels*, which can be harmful to fish. Adjust CO2 injection downwards.

Blue: Indicates *insufficient CO2 levels*, which can hinder plant growth. Adjust CO2 injection upwards.



Thick & Smooth Glass

Uneasy to crack and safe for
all fish



Strong Suction Cups

Securely fix the tubing on
tank wall

Image: This image provides a clear visual guide to understanding the CO2 levels in your aquarium based on the color of the indicator solution: yellow for high, green for ideal, and blue for low.

5. MAINTENANCE

For the most accurate and reliable readings, it is recommended to replace the CO2 reagent solution every **30 days**. This ensures the indicator remains sensitive and responsive to changes in CO2 levels within your aquarium.

6. TROUBLESHOOTING

Understanding the effects of CO2 imbalances can help in troubleshooting issues in your planted aquarium. If your indicator consistently shows yellow or blue, adjust your CO2 injection system accordingly and monitor the drop checker for changes.

Effects of CO2 Imbalances

Excessive CO2 (Yellow Indicator)	Insufficient CO2 (Blue Indicator)
Fish suffocation	Poor photosynthesis
pH drop and stressed fish	Yellowing or damaged plant leaves
Plant overgrowth (initially, then potential melt)	Stunted plant growth

Glass CO₂ Drop Checker

Professional Monitoring for
an Aquatic Paradise



Image: This image presents a table detailing the negative impacts of both too much and too little CO2 on aquarium inhabitants and plants, emphasizing the importance of vital CO2 detection.

7. PRODUCT SPECIFICATIONS

Item Weight: 1.76 ounces

Item Model Number: Pawfly-2080-TP

Item Package Dimensions L x W x H: 4.65 x 2.68 x 1.42 inches

Brand Name: Pawfly

Color: Transparent

Size: 1 pc

Included Components: CO2 Drop Checker, Reagent Solution, Suction Cups

Specific Uses for Product: Indoor aquarium CO2 monitoring

Manufacturer: Pawfly

Date First Available: February 25, 2025

8. WARRANTY AND SUPPORT

Warranty: This Pawfly product comes with a 1 Year Warranty from the date of purchase.

For further support, product inquiries, or to explore other Pawfly products, please visit the official Pawfly Store on Amazon:

[Pawfly Store on Amazon](#)

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