

## INKBIRDPLUS PTH-10C-US

# INKBIRDPLUS Portable CO2 Detector User Manual

Model: PTH-10C-US | Brand: INKBIRDPLUS

## PRODUCT OVERVIEW

The INKBIRDPLUS Portable CO2 Detector (PTH-10C) is a compact and highly accurate device designed to monitor carbon dioxide levels in various indoor environments. Utilizing advanced NDIR (Non-Dispersive Infrared) sensing technology, it provides precise and stable readings, ensuring reliable air quality assessment. Its full-color LCD display offers clear, easy-to-read information, complemented by a user-friendly interface.



The INKBIRDPLUS Portable CO2 Detector, a compact device with a clear display and included lanyard for easy portability.

## KEY FEATURES

- **High-Quality NDIR Sensor:** Employs advanced Non-Dispersive Infrared technology for high precision, strong anti-interference, and excellent stability in CO2 detection.
- **Tri-Color CO2 Concentration Level Indicators:** Features a visual indicator system with green (400-699ppm for good), yellow (700-1499ppm for medium), and red (1499-5000ppm for danger) lights for quick air quality assessment.
- **Audible Alerts & Custom Alert Values:** An alarm sounds when CO2 concentration exceeds 1500ppm, with the option to customize the alarm threshold.
- **Portable and Long-Lasting:** Small, lightweight design with an included lanyard for easy carrying. Equipped with a built-in 1000mAh lithium battery providing approximately 72 hours of battery life on a 3-hour charge.
- **HD Full-Color LCD Display:** Offers a clear and eye-protective display. Automatically enters energy-saving ECO mode after 5 minutes of inactivity.

- **USB Rechargeable Design:** Conveniently rechargeable via USB-C.



The device features a superior NDIR CO<sub>2</sub> sensor for accurate and stable measurements.



# Tri-color CO<sub>2</sub> Indication Light

400-699ppm



good

700-1499ppm



medium

1499-5000ppm



dangerous



Visual representation of CO<sub>2</sub> concentration levels with corresponding color indicators.

## SETUP GUIDE

1. **Charging the Device:** Before first use, fully charge the CO<sub>2</sub> detector using the provided 2m USB-C charging cable. The built-in 1000mAh lithium battery can be fully charged within 3 hours and offers approximately 72 hours of continuous use.
2. **Power On/Off:** Long press the main button on the device to power it on or off. The full-color LCD display will illuminate upon activation.
3. **Initial Calibration:** For accurate readings, it is highly recommended to manually calibrate the device upon first use. Place the detector in an open and uninhabited environment (e.g., outdoors in fresh air) and long press the button until the screen displays "CAL". The device will enter a 200-second manual calibration mode. Ensure the environment is well-ventilated during this process.

## Small But Powerful



NDIR Sensing Technology



Custom CO<sub>2</sub> Alarm Value



Automatic Calibration ON/OFF



Full Color LCD Display



Power-saving ECO Mode



USB Rechargeable Design



The device features a large-capacity battery for extended use.



Manual calibration is recommended for optimal accuracy.

## OPERATING INSTRUCTIONS

Once powered on and calibrated, the CO<sub>2</sub> detector will immediately begin monitoring the air quality. The full-color LCD display shows the current CO<sub>2</sub> concentration in parts per million (ppm).

Understanding CO2 Levels:

- **Green Light (Good):** 400-699 ppm. Indicates good air quality.
- **Yellow Light (Medium):** 700-1499 ppm. Suggests moderate CO2 levels; consider ventilation.
- **Red Light (Danger):** 1499-5000 ppm. Indicates high CO2 levels; immediate ventilation is recommended.

When the detected CO2 concentration exceeds 1500ppm, the device will emit an audible alarm to alert you. The alarm value can be customized to suit your preferences, or the alarm function can be turned off if desired. Refer to the included user manual for detailed instructions on customizing alarm settings.



The device provides real-time monitoring to help protect your health.

MAINTENANCE

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or immerse the device in water.
- **Storage:** Store the detector in a cool, dry place away from direct sunlight and extreme temperatures when not in use for extended periods.
- **Battery Care:** To prolong battery life, avoid fully discharging the device frequently. Recharge it when the battery indicator is low.

TROUBLESHOOTING

Issue	Possible Cause	Solution
Inaccurate Readings	Device not calibrated or placed in an unsuitable environment.	Perform manual calibration in an open, uninhabited area. Ensure proper ventilation.
Device Not Powering On	Low battery or charging issue.	Charge the device fully using the provided USB-C cable. Check the charging cable and adapter.
Alarm Not Sounding	Alarm function is turned off or alarm value is set too high.	Check alarm settings in the user manual to ensure it is enabled and set to an appropriate threshold.

Issue	Possible Cause	Solution
Display is Dim/Off	Device is in ECO mode or battery is low.	Press any button to exit ECO mode. Charge the device if the battery is low.

## TECHNICAL SPECIFICATIONS


Specification	Value
Brand	INKBIRDPLUS
Model Number	PTH-10C-US
Sensor Type	NDIR (Non-Dispersive Infrared)
CO2 Detection Range	400-5000 ppm
Power Source	Battery Powered (1000mAh Lithium Ion)
Battery Life	Approx. 72 hours
Charging Time	Approx. 3 hours
Charging Port	USB-C
Display	Full-Color LCD
Alarm	Audible (customizable)
Item Weight	0.31 Pounds (approx. 5 ounces)
Product Dimensions	2.76 x 2.95 x 1.18 inches

## WARRANTY AND CUSTOMER SUPPORT

INKBIRDPLUS products are designed for reliability and performance. For specific warranty details, including coverage period and terms, please refer to the warranty card included in your product packaging or visit the official INKBIRDPLUS website.

Should you encounter any issues or have questions regarding your Portable CO2 Detector, please contact INKBIRDPLUS customer support. Our dedicated team is available to assist you with troubleshooting, technical inquiries, and any other product-related concerns.

Thank you for choosing INKBIRDPLUS. We are committed to providing high-quality products and excellent customer service.

	<p><a href="#">INKBIRDPLUS PTH-9A Multi-Function Air Quality Detector User Manual</a></p> <p>Comprehensive user manual for the INKBIRDPLUS PTH-9A Multi-Function Air Quality Detector, covering product introduction, specifications, operation instructions, time/date setting, and warranty information. Monitor PM2.5, PM10, CO2, temperature, and humidity.</p>
	<p><a href="#">INKBIRDPLUS HS-16 Metal Detector Owner's Manual and User Guide</a></p> <p>Detailed user manual for the INKBIRDPLUS HS-16 metal detector, a waterproof handheld device with an LCD screen. Covers features, specifications, operation, and battery replacement for effective metal detection.</p>
	<p><a href="#">INKBIRDPLUS T01 Prise Thermostat Minuterie Manuel de l'Utilisateur</a></p> <p>Manuel d'utilisation pour la prise thermostat minuterie INKBIRDPLUS T01. Guide complet sur les fonctions de contrôle de température et de minuterie, les modes de fonctionnement, le calibrage et les spécifications techniques.</p>
	<p><a href="#">VEVOR PTH-10C Carbon Dioxide Monitor User Manual</a></p> <p>User manual and technical specifications for the VEVOR PTH-10C Carbon Dioxide Monitor, detailing its features, operation, safety guidelines, and calibration procedures.</p>
	<p><a href="#">Nomesitic PTH-9C CO2 Meter: Instruction Manual &amp; Features</a></p> <p>Comprehensive instruction manual for the Nomesitic PTH-9C CO2 Meter. Learn about its features, specifications, operation, and calibration for accurate indoor air quality monitoring.</p>
	<p><a href="#">INKBIRD PLUS Air Detector PTH-10C User Manual</a></p> <p>Comprehensive guide for the INKBIRD PLUS Air Detector PTH-10C, covering specifications, product features, operation, calibration, and safety guidelines.</p>