ipega PG-9070

User Manual: ipega PG-9070 Key Ring Breath Alcohol Tester

Model: PG-9070 | Brand: ipega

1. INTRODUCTION

Thank you for choosing the ipega PG-9070 Key Ring Breath Alcohol Tester. This compact and portable device is designed to accurately measure breath alcohol content (BAC) using advanced gas detection technology. It is compatible with both Apple iOS and Android devices (Android devices require OTG function support). This manual provides detailed instructions for safe and effective use of your new alcohol tester.

Figure 1: Front view of the ipega PG-9070 Key Ring Breath Alcohol Tester. The device is black with a small LCD screen and the 'ipega' logo. A key ring attachment is visible at the top, which also houses the device connector.

2. KEY FEATURES

- **2-in-1 Compatibility:** Designed for seamless connection with both Apple iOS and Android smartphones.
- **Advanced Detection:** Utilizes new gas detection technology for accurate alcohol content measurement.
- **Clear Display:** Features an LCD digital display with a color backlight for easy readability of results.
- **Interference Prevention:** Equipped with a unique detector to minimize interference from non-alcohol gases like cigarette smoke, coffee, or soda.

- **Voice Alarm Function:** Provides an automatic buzzer alarm when detected alcohol content exceeds safe limits.
- **Smartphone Powered:** Conveniently powered directly by your connected smartphone, eliminating the need for separate batteries.

3. SETUP AND INITIAL USE

Before using your ipega PG-9070, please ensure your smartphone is compatible and ready.

1. **Connect the Device:** Connect the ipega PG-9070 tester to your Apple or Android smartphone. Ensure the connector is fully inserted into your phone's charging port.
2. **Unlock Your Device:** Unlock your smartphone. The tester draws power directly from your phone.
3. **Activate the Tester:** Press and hold the power switch on the tester until you hear a short buzzing alert. Simultaneously, the LCD screen will display a green matching indicator, signifying it is ready for the next step.

Figure 2: Angled view of the ipega PG-9070 tester showing the extended connector, ready to be plugged into a smartphone. The device is compact and designed for portability.

4. OPERATING INSTRUCTIONS

Follow these steps to perform a breath alcohol test:

1. **Warm-up Phase:** After activation, the tester will enter a "warm up" state. A countdown from 10 to 0 will appear on the LCD screen. This indicates the preheating procedure is in progress. Wait for the countdown to complete.
2. **Prepare to Blow:** Once the warm-up is finished, a 10-second countdown for blowing will begin. Position your mouth close to the designated pore (air hole) located on the tester.
3. **Blow into Sensor:** Exhale steadily into the air hole and sensor for approximately 3 to 5 seconds. Ensure a continuous and consistent breath.
4. **View Results:** After the blowing countdown finishes, the display screen will show your test result.

Figure 3: The ipega PG-9070 tester alongside its user manual, highlighting the air hole where breath samples are provided and the LCD screen for displaying results.

5. INTERPRETING TEST RESULTS

The ipega PG-9070 provides clear visual and auditory indicators for your test results:

- **Green Screen:** If no alcohol is detected, or the alcohol content is within normal limits, the LCD screen will remain green.
- **Yellow Screen "Caution":** The LCD screen will change to yellow and display "Caution" if the test report indicates a BAC between 0.02% (or 0.2g/l) and 0.05% (or 0.5g/l).
- **Red Screen "Danger" & Buzzer Alarm:** The LCD screen will turn red and display "Danger" with a continuous buzzer alarm if the test report indicates a BAC at or above 0.05% (or 0.5g/l), or at or above 0.08% (or 0.8g/l).

6. CARE AND MAINTENANCE

To ensure the longevity and accuracy of your ipega PG-9070, follow these maintenance guidelines:

- Keep the device clean and free from dust and debris. Use a soft, dry cloth for cleaning the exterior.
- Avoid exposing the device to extreme temperatures, direct sunlight, or high humidity.
- Do not attempt to disassemble or repair the device yourself. This will void the warranty.
- Store the tester in a cool, dry place when not in use.
- Ensure the air hole is not obstructed before and during testing.

7. TROUBLESHOOTING

If you encounter issues with your ipega PG-9070, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device does not power on.	Not properly connected to smartphone; smartphone not unlocked; insufficient power from phone.	Ensure the tester is fully inserted into the phone's port. Unlock your smartphone. Check phone battery level.

Problem	Possible Cause	Solution
Inaccurate or inconsistent readings.	Improper blowing technique; recent consumption of food/drink; sensor contamination.	Ensure a steady, continuous blow for 3-5 seconds. Wait at least 20 minutes after eating/drinking before testing. Clean the air hole area gently.
Android device not recognizing tester.	Android device does not support OTG function.	Verify your Android device supports USB On-The-Go (OTG). Consult your phone's manual or manufacturer.
Buzzer alarm sounds unexpectedly.	High alcohol content detected; sensor malfunction.	Re-test after a short period. If the issue persists and you are certain of no alcohol consumption, contact support.

8. PRODUCT SPECIFICATIONS

Figure 4: Back view of the ipega PG-9070 tester, displaying its working voltage and current specifications.

Specification	Detail
Model Number	PG-9070
Working Voltage	3.3V
Working Current	≤200mA
Compatibility	iOS and Android (Android requires OTG function)
Detection Technology	New Gas Detection Technology
Display	LCD Digital Display with Color Backlight
Power Source	Smartphone powered

Specification	Detail
Manufacturer	China
First Available	March 23, 2018

9. WARRANTY INFORMATION

This ipega PG-9070 Key Ring Breath Alcohol Tester comes with a standard manufacturer's warranty against defects in materials and workmanship. Please retain your proof of purchase for warranty claims. The warranty does not cover damage caused by misuse, accidents, unauthorized repairs, or normal wear and tear. For specific warranty terms and conditions, please refer to the documentation included with your purchase or contact ipega customer support.
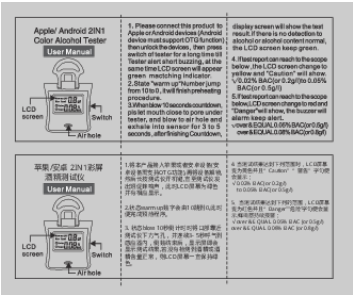
10. CUSTOMER SUPPORT

For further assistance, technical support, or inquiries regarding your ipega PG-9070 Breath Alcohol Tester, please contact ipega customer service. Refer to the product packaging or the official ipega website for the most up-to-date contact information.
We are committed to providing you with a reliable and accurate product experience.

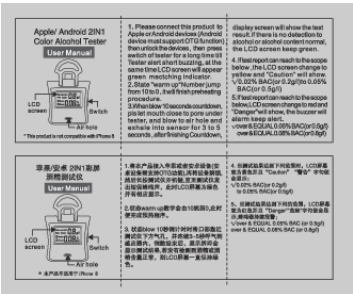Documents - ipega – PG-9070

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