



# ***AlcoHAWK® PT750***

## **Owner's Manual**

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# INTRODUCTION

## **Intended Use**

This breath alcohol tester is intended to measure alcohol in human breath. Readings from this device are used to determine alcohol intoxication.

## **Overview**

This Tester provides a digital reading of a person's approximate BAC in seconds. The AlcoHAWK® PT750 is powered by a rechargeable lithium battery that in general lasts about 200 tests when fully charged. Please read the entire manual before use.

## **Effects of Alcohol**

Variations among people and other factors, such as altitude and air temperature, affect the degree of intoxication. Some people may become intoxicated at low BAC levels. A low BAC on a breath alcohol tester does not mean that a person's reaction times can respond to any emergency. You should not drink alcohol and drive or use any machines after consuming alcohol. There is no safe way to drive under the influence of alcohol. Even one drink can make you unsafe.

<b>BAC</b>	<b>Dose-Specific Effects <sup>1</sup></b>
0.020-0.039% <sup>2</sup>	Generally no loss of coordination. Slight joy or loss of shyness. Depressant effects are not clear.
0.040-0.069%	General feelings of well-being, relaxation, shyness is reduced and sensation of warmth. Joy. Some minor impairment of reasoning and memory. Lowering of caution. Driving skills may be impaired.
0.070-0.099%	Slight impairment of balance, speech, vision, reaction time, and hearing. Joy. Judgment and self-control are reduced. Caution, reason and memory are impaired. Driving skills are always impaired.
0.100-0.129%	Major impairment of motor coordination and loss of good judgment. Speech may be slurred. Balance, vision, reaction time and hearing will be impaired. Joy.
0.130-0.159%	Gross motor impairment and lack of physical control. Blurred vision and major loss of balance. Joy reduced and state of feeling unwell begins to appear.
0.160-0.249%	Anxiety, restlessness predominates. Nausea may appear. Appearance of a "sloppy drunk."
0.250%-0.299%	Needs assistance in walking. Total mental confusion. State of feeling unwell with nausea and some vomiting.
0.300%-0.399%	Loss of consciousness.
0.400% +	Onset of coma. Possible death due to respiratory arrest. <sup>3</sup>

<sup>2</sup> Bailey, William J., *Drug Use in American Society*, 3rd ed., Minneapolis: Burgess, 1993.

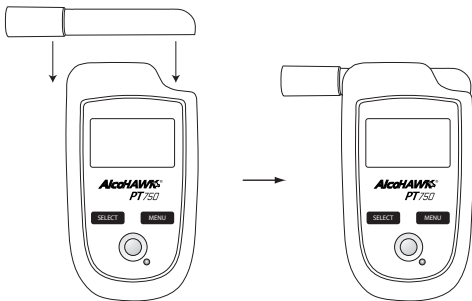
<sup>3</sup> Some individual's may experience impairment at BAC levels at .03% or even lower.

<sup>4</sup> Death can occur at a lower BAC level in some individuals.

# PREPARATION

## Insert a New Mouthpiece

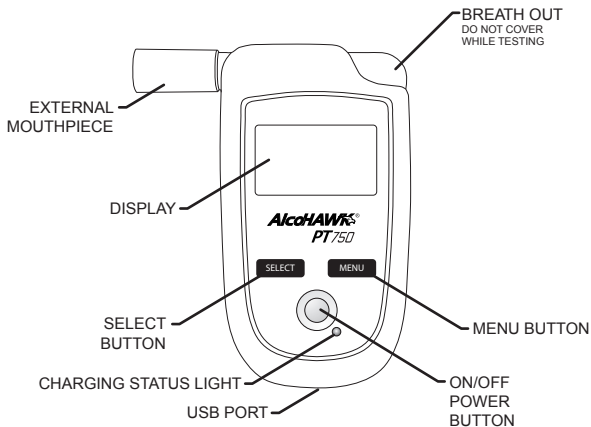
Insert a new mouthpiece firmly into the BREATH PIPE IN hole on the left side of the unit. (See COMPONENTS DIAGRAM)



## Charging the Battery

Plug the large end of the wall charger into an AC outlet and plug the small end into the USB port on the bottom end of the unit. (See COMPONENTS DIAGRAM) The light adjacent to the power button will be lit while the unit is charging.

# COMPONENTS DIAGRAM



# OPERATION



Wait 20 minutes after subject smokes, eats or drinks before testing. Failure to wait 20 minutes can give wrong BAC readings and damage the sensor.

**Step 1)** Press and hold the orange ON/OFF power button for 1 second until you hear a BEEP. The unit reads “Initializing” as it gets ready for use.

**Step 2)** The display screen reads “Test” and “Options”. To start a “Test”, press the SELECT button. The unit displays “Take a Deep Breath” for three (3) seconds and then displays “Blow Now”. Take a deep breath, wrap your lips around the new mouth-piece and blow steadily for five (5) seconds. The unit takes the breath sample in the amount of time set for a breath sample (factory default is 5 seconds). Do not cover the BREATH OUT hole. **Begin blowing immediately when “Blow Now” is displayed to get a deep lung sample.**

**Note:** To perform passive testing see Passive Testing (pg. 6).

**Step 3)** The unit displays “Processing” while analyzing the sample. After about three (3) seconds, the unit then displays the estimated BAC.

**Step 4)** Display screen shows the test result for 90 seconds before beeping twice and shutting off. To return to the main menu press the orange ON/OFF power button.

**Step 5)** To turn off the unit, press and hold the orange ON/OFF power button for 1 second.

## Passive Testing

Passive testing is designed to sample for the presence of alcohol without the use of a mouthpiece. It is for positive or negative tests only and will not display an estimated BAC.

- Step 1)** Press and hold the orange ON/OFF power button for 1 second until you hear a BEEP. The unit reads "Initializing" as it gets ready for use. If a mouthpiece has been installed remove it now.
- Step 2)** The display screen reads "Test" and "Options". Press the SELECT button to start a test. The unit displays "Take a Deep Breath" for three (3) seconds and then displays "Blow Now."  
**Hold the rear intake within 3-4 inches of the subject's mouth and have the subject exhale towards the rear intake opening.** Press the SELECT button at any point during the exhale to take a sample.
- Step 3)** The unit displays "Processing" while analyzing the sample. After about three (3) seconds, the unit then displays the result.
- Step 4)** Display screen shows the test result for 90 seconds before beeping twice and shutting off. To return to the main menu press the orange ON/OFF power button.
- Step 5)** To turn off the unit, press and hold the orange ON/OFF power button for 1 second.

## Manual Testing

The unit is designed to take an automatic test after the amount of time set for a breath sample. The unit also has the ability to take a manual test at any time while blowing.

- Step 1)** Press and hold the orange ON/OFF power button for 1 second until you hear a BEEP. The unit reads "Initializing" as it gets ready for use. If a mouthpiece has been installed remove it now.
- Step 2)** The display screen reads "Test" and "Options". To start a "Test",



press the SELECT button. The unit displays “Take a Deep Breath” for three (3) seconds and then displays “Blow Now”. Take a deep breath, wrap your lips around the new mouthpiece and blow steadily. Press the SELECT BUTTON at any time while blowing to take a sample. Do not cover the BREATH OUT hole. **Begin blowing immediately when “Blow Now” is displayed to get a deep lung sample. Failing to blow before pressing the SELECT button will result in a passive test.**


- Step 3)** The unit displays “Processing” while analyzing the sample. After about three (3) seconds, the unit then displays the estimated BAC.
- Step 4)** Display screen shows the test result for 90 seconds before beeping twice and shutting off. To return to the main menu press the orange ON/OFF power button.
- Step 5)** To turn off the unit, press and hold the orange ON/OFF power button for 1 second.

## READ THE RESULTS

The result is an estimate of the subject's BAC. A breath alcohol tester cannot tell the exact BAC in the blood of the subject. A link between Breath Alcohol Content (BrAC) and BAC depends on many factors, such as temperature and health conditions. Only use this device to screen for the presence of alcohol.

Many people consider a 0.02% or greater a positive test for alcohol in “zero tolerance” screening. Most states have 0.08% as the legal BAC limit for tasks such as using a motor vehicle. Some states prohibit driving commercial vehicles or vessels with a 0.04% BAC or higher. Many states prosecute people for driving under the influence at any level.

# ERROR MESSAGES

Error Message	Cause and Course of Action
	Low Battery. Recharge the battery. (Charging the Battery, pg. 3)
Air Blank Failure	The unit detected alcohol in the air capture system during its start-up cycle. Restart the unit. If the message repeats contact Q3 for assistance.

## MENU OPTIONS

When the screen displays “Test” and “Options”, press the MENU button to view the menu options. Use the MENU button to move through the menu options. Use the SELECT button to enter the selected menu option. Use the orange ON/OFF power button to exit the menu.

### Alarm Point

The unit will read “High” if the BAC reading is over the alarm point setting. The default setting is 0.020% BAC. You can change the alarm point from between 0.020%-0.080% BAC.

To change the setting press the MENU button until the unit displays the value you want. Press the SELECT button to save the setting.

### Blowing Time

You can adjust the blowing time from three (3) to eight (8) seconds. The default setting is five (5) seconds. Five (5) seconds is the standard time to obtain a proper sample.

**Caution: Only adjust this setting if the subject is not able to exhale for five (5) seconds or if the subject can easily exhale more than 5 seconds.**

To change the setting press the MENU button until the unit displays the

number of seconds you want. Press the SELECT button to save the setting.

## **Convert Units**

You can change the unit of alcohol concentration shown for tests. You can choose between %BAC (U.S.A), g/L, or ‰BAC. The default setting is %BAC (U.S.A) (the U.S.A standard).

To change the setting press the MENU button until the conversion unit you want is displayed. Press the SELECT button to save the setting.

## **Time and Date**

Press the SELECT button to begin setting the time and date. Use the SELECT button switch between the hour, minute, seconds, month, day, and year. Use the MENU button to advance the data in the selected field by one (1). Save your changes by pressing the SELECT button until no fields are highlighted.

## **Temperature Scale**

You can switch between Celsius (C) and Fahrenheit (F) for the temperature sensor. The default setting is Fahrenheit (F).

To change the setting press the MENU button until the unit displays the scale you want. Press the SELECT button to save the setting.

## **Timer**

This menu allows you to start a countdown in the range of 10-30 minutes. Press the SELECT button to configure the countdown timer. Use the MENU button to adjust the number of minutes and press SELECT to begin the countdown timer. When the countdown timer has expired an alarm will sound. Press the ON/OFF button to silence the alarm.

## **Testing Record**

This menu contains the results from the last 1000 tests, along with the date the test was performed. Press the SELECT button to print the current test result (wireless printer accessory required). Use the MENU button to advance to the next test result.

## **Test Counter**

This menu shows the number of direct sample tests performed on the unit and the date the last calibration was performed. See Calibration (pg. 13) for benefits of this feature.

## **User ID**

This menu allows you to set an ID for the unit and a contact telephone number. Use the MENU to switch between the ID and telephone number. Press the SELECT button to modify the data. Enter the password using the MENU button to modify the character and press the SELECT button to save the character and move to the next. Once you have entered the last character of the password press the SELECT button. If the correct password is entered you will be able to change the data using the same method as entering a password.

## **New Password**

To set a new password you must first enter the unit's old password, enter a new password, and confirm the new password by entering it again. Enter passwords using the MENU button to modify the character and press the SELECT button to save the character and move to the next. Once you have entered the last character of the password press the SELECT button to submit it. The password may contain any combination of letters and numbers (A-Z, 0-9).

# **TEMPERATURE DISPLAY**

The room temperature is displayed in the top left corner of the unit. The temperature display range is within -50°C to +50°C. As only two digits are shown, a minus sign will not be displayed if the temperature is a double-digit negative temperature. The true temperature must be judged by the user's senses.

# PRINTING FORMAT

The following is an example of the printing format for reference:

Record NO.: 025  
Date: 05-07-2008  
Time: 10:56  
Result: 0.136 %BAC  
Testee:

---

Address:

---


Testee signature:

---

Police NO.:

## PRECAUTIONS



1. Wait at least 20 minutes after drinking, smoking or eating before testing.
2. Do not test in strong winds or in a closed room with smoke or alcohol present.
3. Recharge the battery when the low battery symbol  appears.
4. Do not blow smoke, food or liquid into the unit.
5. Only use the unit when the temperature is between 10 - 40°C (50 - 104°F). Operation outside this range may affect the results.
6. BAC changes over time based on many factors. BAC at one time can differ from BAC a few minutes later.
7. Do not use this product with an ignition interlock device or while

inside a vehicle.

8. Do not use this device to determine if you or anyone else can operate any vehicle or machinery.
9. Do not let yourself or anyone else drink and drive. Always use a designated driver when you or anyone else drinks alcohol.

## SPECIFICATIONS

Dimensions	4.75" x 2.63" x 1.1" (12.1 cm x 6.68 cm x 2.8 cm)
Weight	3.7 oz (105 g) without battery; 4.2 oz (119 g) with battery
Power Supply	Rechargeable Lithium Battery
Battery Life	200 tests <sup>1</sup>
Sensor Technology	<i>PT Core</i> ™ Fuel-cell Sensor
Warm-UP Time	10-20 seconds <sup>1</sup>
Blowing Time	5 seconds (default setting, adjustable from 3-8 seconds)
Response Time	3 seconds <sup>1</sup>
Operating Temperature	10 - 40°C (50 - 104°F)
Detection Range	0.000 - 0.400% BAC
Warranty	1 Year

<sup>1</sup> Estimates, results may vary.

## ACCESSORIES

Visit our online store at [www.q3ats.com](http://www.q3ats.com) to purchase:

- Mouthpieces
- Soft Carrying Pouch
- Hard Case

## CALIBRATION

Calibration of the AlcoHAWK® PT750 occurs during manufacturing using advanced alcohol simulation equipment. The manufacturer passes known alcohol concentrations through the sensor to set baseline values for testing. During testing, the unit compares users' breath samples to these baseline values. If the verification determines that the BAC is not consistent with actual BAC levels, a technician calibrates the unit. The accuracy of breath alcohol testers can fluctuate after six to twelve months, depending on frequency of use and operating conditions.

If the unit is providing inconsistent results or unusually high or low readings, the unit may need calibration. **A general rule of thumb is to have the unit calibrated every 200 tests (see Test Counter, pg. 10). However, at a minimum, a technician should recalibrate this unit at least every six to twelve months. Monthly calibrations may be required if the unit is used daily.**

Please visit [www.q3i.com](http://www.q3i.com) or call 888-399-1687 for calibration or support.

## ONE-YEAR LIMITED WARRANTY

Q3 Innovations, LLC (Q3I) warrants this unit to be free from defects in workmanship or material (excluding calibration) under normal use for ONE (1) YEAR from the date of retail purchase by the original buyer ("Warranty Period").

**The warranty covers parts and labor on covered repairs and ground freight back to the customer (USA only). Except as provided above, Q3I provides this product "as is."**

If a defect arises and Q3I receives a valid claim within the Warranty Period, at its option, Q3I will either (1) repair the product, (2) exchange the product with a product that is new or which has been built from new or serviceable used parts and functionally equivalent to the original product, or (3) refund the purchase price of the product. If a refund is given, the returned product becomes Q3I's property. The warranty does not cover shipping to Q3I. The warranty is void if anyone tampers or abuses the unit.

This warranty is limited to the original consumer purchaser and can not be transferred to any other owner.

**For warranty service please follow these instructions:**

1. Call 888-399-1687 or email [service@q3i.com](mailto:service@q3i.com) to obtain an RMA number. Return the unit postage paid, insured and in proper box.
2. You should obtain a proof of delivery receipt. You must pay the cost for shipping the unit to us.
3. You must enclose the following with the unit:
  - a. The completed RMA form (available at [www.q3i.com/support.php](http://www.q3i.com/support.php))
  - b. Your name, return address and description of the problem. (No PO Box)
  - c. Your phone number to reach you during the day.
  - d. A copy of your sales receipt or invoice.

## **DISCLAIMER**

Q3I makes no warranties, expressed or implied, as to the ability of this unit to determine whether, or to the extent to which, a test subject's mental or physical functionality, or judgment, is impaired by blood alcohol including whether the test subject is intoxicated, under any definition of that word. Q3I expressly disclaims any liability for incidental, special, or consequential damages of any nature under any legal theory.



Any act or failure to act based upon a reading from this product is at the test subject's or user's own risk. Q3I assumes no responsibility for consequences to users or test subjects who use this product and are later under the influence of alcohol or to have had their judgment or any mental or bodily function impaired by alcohol. Correlation between BrAC and BAC depends on many variables, such as temperature and health conditions of the test subject. A safe or low BAC reading does not mean that the test subject's physical or mental performance or judgment (including reaction times) can respond to any emergency encountered. A breath alcohol tester cannot determine the exact concentration of alcohol in the blood of a test subject.

Q3I does not warrant that the operation of the product will be error-free. Q3I is not responsible for any consequences arising from failure to follow instructions or relating to the product's use. This warranty does not apply: (a) to consequences caused by accident, abuse, tampering, misuse, flood, fire, earthquake or other external causes; (b) to consequences caused by operating the product outside the permitted or intended uses described by Q3I; (c) to consequences caused by service performed by anyone who is not a representative of Q3I or a Q3I Authorized Service Provider; or (d) to a product or part that has been modified to alter functionality or capability without the written permission of Q3I.

TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY AND THE REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, REMEDIES AND CONDITIONS, WHETHER ORAL OR WRITTEN, STATUTORY, EXPRESS OR IMPLIED. AS PERMITTED BY APPLICABLE LAW, Q3I SPECIFICALLY DISCLAIMS ANY AND ALL STATUTORY OR IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE AND WARRANTIES AGAINST HIDDEN OR LATENT DEFECTS. IF Q3I CANNOT LAWFULLY DISCLAIM STATUTORY OR IMPLIED WARRANTIES, THEN TO THE EXTENT PERMITTED BY LAW ALL SUCH WARRANTIES ARE LIMITED TO THE DURATION OF THE EXPRESS WARRANTY AND TO THE REPAIR OR REPLACEMENT SERVICE AS DETERMINED BY Q3I IN ITS SOLE DISCRETION.

Q3I does not authorize any Q3I reseller, agent, or employee to make any modification, extension, or addition to this warranty. If anyone determines any terms to be illegal or unenforceable, the legality or enforceability of the remaining terms shall not be affected or impaired.

EXCEPT AS PROVIDED IN THIS WARRANTY AND TO THE MAXIMUM EXTENT PERMITTED BY LAW, Q3I IS NOT RESPONSIBLE FOR DIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES UNDER ANY LEGAL THEORY, INCLUDING BUT NOT LIMITED TO LOSS OF USE; LOSS OF REVENUE OR INCOME; LOSS OF ACTUAL OR ANTICIPATED PROFITS (INCLUDING LOSS OF PROFITS FROM A CONTRACT); LOSS OF THE USE OF MONEY; LOSS OF ANTICIPATED SAVINGS; LOSS OF BUSINESS; LOSS OF OPPORTUNITY; LOSS OF GOODWILL, OR LOSS OF REPUTATION.

Some countries, states and provinces do not allow the exclusion or limitation of incidental or consequential damages or allow limitations on how long an implied warranty or condition may last, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by country, state or province. This limited warranty is governed by and construed under the laws of the country where the product was purchased.

**DO NOT DRINK ALCOHOL AND DRIVE**

**ALWAYS USE A DESIGNATED DRIVER AFTER  
DRINKING ALCOHOL**

**BE SAFE AND RESPONSIBLE**



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