Lifeloc TECHNOLOGIES

On device screen:
#7 11:09
AUTO TEST
≡ Menu
LT7

Lifeloc LT7
Operations Manual

Unlock the Power of Alcohol Testing

Congratulations on your purchase of a Lifeloc LT7 advanced Breath Alcohol Detector For over 30 years Lifeloc Technologies has been providing technologically advanced alcohol detection instruments and training to Law Enforcement and Corrections' Professionals and internationally, workplace and school markets. We are a leader in product innovation, precision instrumentation, ease of use and Five Star Customer Care

The LT7 is manufactured in Wheat Ridge, Colorado by Lifeloc Technologies Inc. and produced under our ISO-9001 quality management system. Lifeloc offers premium quality products combined with exceptional service and support.

The LT7 incorporates cutting edge features including:
- Advanced digital calibration protocol.
- Wide operating temperature range 14° to 130° F (-10° to 55°C).
- Full color graphic display visible in daylight or dark.
- Easy intuitive menu system for operational efficiency
- Two levels of security for added flexibility
- Up to 10,000 test memory complete with relevant data fields.
- Fast charge NiMH batteries or optional AA alkaline batteries.
- 360° Rotational Mouthpiece

The LT7 includes many other features including calibration/accuracy check lockouts and multiple test modes.

In the following pages this manual will assist you in understanding all that the LT7 has to offer and how to operate this cutting edge instrument.

LT7 Front View

360° Rotational Mouthpiece

Time

Test Number

LT7

#999999   12:25

AUTO TEST

Battery Indicator

Display

Navigation Buttons

Lifeloc
TECHNOLOGIES

Execute Button

Power Button
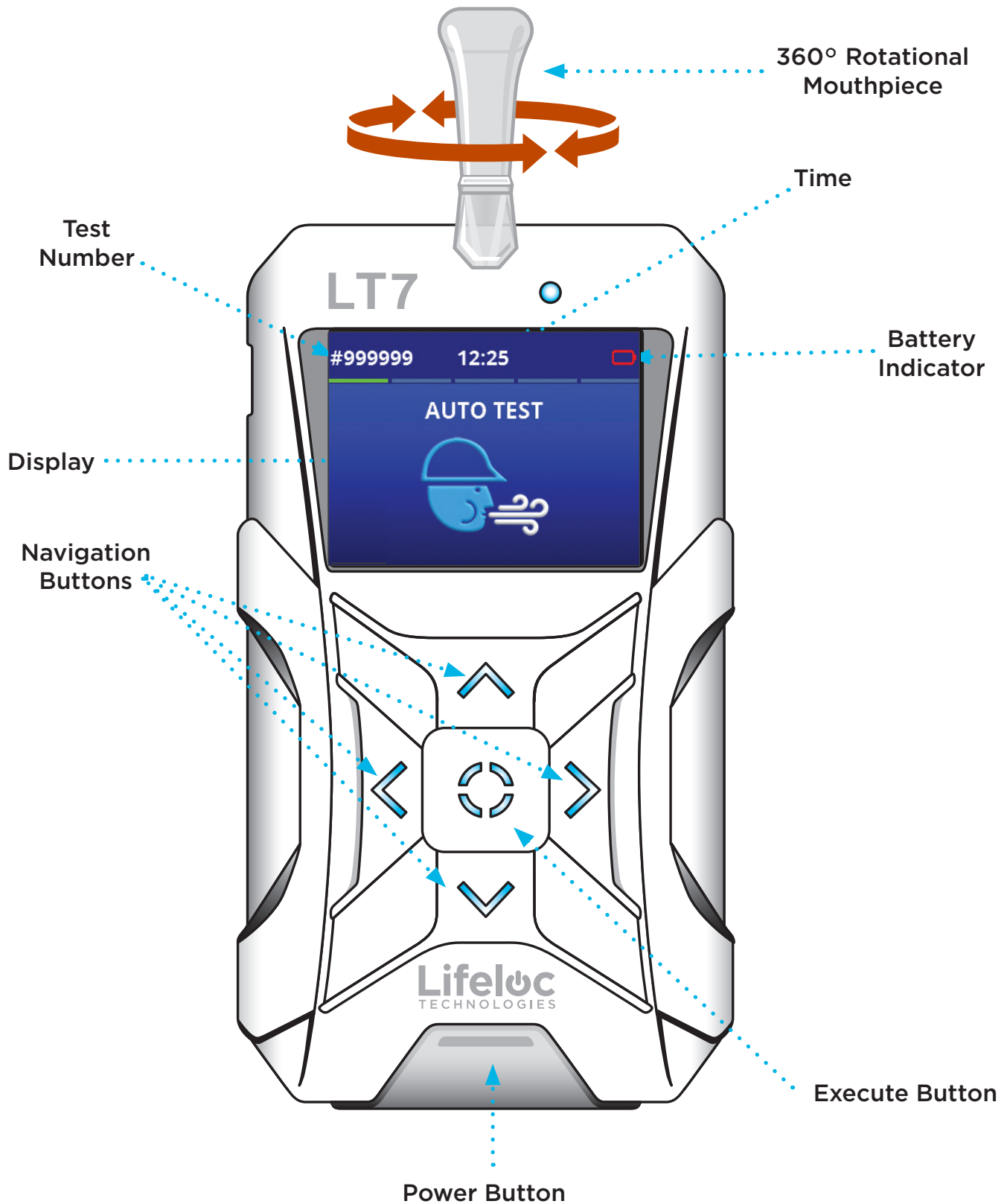
Features[1]

Large Color Display: 2.2 inch full color display readable in daylight or dark.

Digital Calibration: Complete record keeping of calibration events including as found and as left accuracy measurements[2]. The LT7 can be calibrated with wet bath simulators or dry gas cylinders.

Lockouts: User selectable settings for calibration and accuracy check reminders and lockouts to prevent using an out of compliance instrument.

L360 Mouthpiece: Mouthpiece rotates to the position you feel safest, right or lefthanded.

Security: Password protection for critical functions and settings.

Auto Test Mode: Easiest way to take a test. Unit automatically samples at proper time of breath exhalation.

Manual Test Override: Enables the operator to control exact point of breath sample

Passive Test Mode: An automatic sample of exhaled breath without a mouthpiece, used to check for the presence of alcohol in breath.

Passive Test Override: Used to detect alcohol in a cup or open container

User Selectable Test Order: Choose between Auto Test or Passive Test upon start up

Memory: Stores up to 10,000 tests in memory

Power: Choose between a fast charge rechargeable battery pack or optional three AA alkaline batteries.

Data Entry: "Subject ID" and "Operator" data fields standard.

History: Keeps a log of all the tests, calibrations and accuracy checks in memory. Can be viewed by date

**User Interface:** Easy to navigate menu driven software design.

Language: Select between languages without reprograming firmware

[1] Note: all features may not be available in your model.

[2] See Specifications for more information.

Rechargeable Battery Pack Option

The LT7 comes with an internal rechargeable NiMH battery pack that should be charged before initial use. When used with the LT7 charger and cable included in your unit the battery pack will fully charge in approximately two hours.
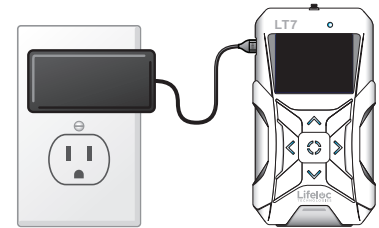
AA Batteries Option

If you have the LT7 battery option, you will need to load 3 AA Alkaline batteries into the unit before use
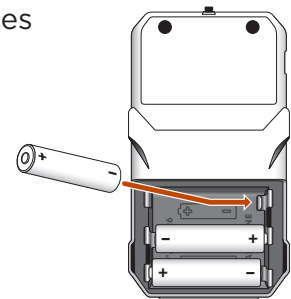
Powering the LT7 On and Off

Press and hold the **Power** button located on the bottom of the front of the unit until the 3 center buttons light up blue. The LT7 then performs an automatic internal diagnostic check and will display the Blowing Man Icon when ready

To turn the unit off, press and hold the **Power** button until you hear the tone. The unit will shut down.

Note: Momentarily pressing the **Power** button, when the unit is on, will return you to the main menu.

Power Button

Navigating the Menu

The LT7 is designed with an intuitive menu system to make operation easy

There are 4 **Navigation** buttons used to move throughout the menu system. With these you can move through all the screens and internal keyboards

There is one central **Execute** button to select and enable features and functions.

Selecting the menu icon takes you to the "Menu" screen. From here you can choose which process you need.
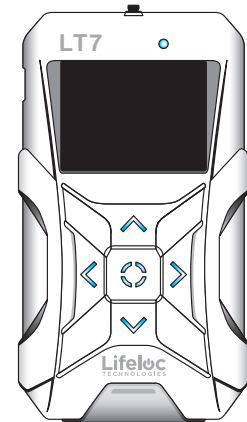
Observing the Subject

The LT7 delivers a highly accurate reading of breath alcohol acquired by sampling deep lung air (alveolar). Readings can however be affected by residual mouth alcohol.

To prevent mouth alcohol from affecting a test, make certain that the subject is not allowed to put anything in their mouth for 15 minutes prior to taking a test. This will ensure all residual alcohol has completely dissipated and test results will be valid.
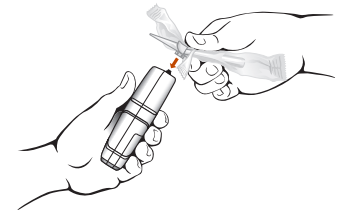
Attaching a Mouthpiece

Remove the mouthpiece from its wrapper, making sure not to touch the end which the subject will blow into

Attach the mouthpiece to the port on the top of the LT7

Press the mouthpiece onto the port to snap in place. Ensure it is securely attached.
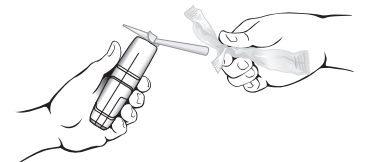
Removing the Mouthpiece

Eject the mouthpiece by pressing up with your finger underneath the tab

Breath Testing Modes Explained

The LT7 has 4 test functions.

Auto Test is the typical way to take a deep lung breath test. The LT7 monitors the subject's breath and automatically takes the sample near the end of the breath flow

Manual Override Test is used only when the subject is unable to provide a sufficient breath sample for the automatic test.

Passive Test is a quick screen, without a mouthpiece, to detect alcohol but is not designed to quantify the results. Passive results are reported as "POS" if alcohol is detected, "NEG" if alcohol is not detected. In this mode, a passive cup may be used.

Manual Override Passive Test is used to determine if alcohol is in liquid in a cup or container

## Conducting an Automatic Test

Turn the LT7 on.

Verify the display reads "AUTO TEST" and you see the Blowing Man icon.

Attach the mouthpiece to the top of the unit and rotate to the position desired.

Instruct the subject to blow into the mouthpiece **firmly and steadily for as long as they can**. (But not necessarily as hard as they can.) The unit calculates volume and will give an error message if the subject cannot reach 1.5 liters of breath.
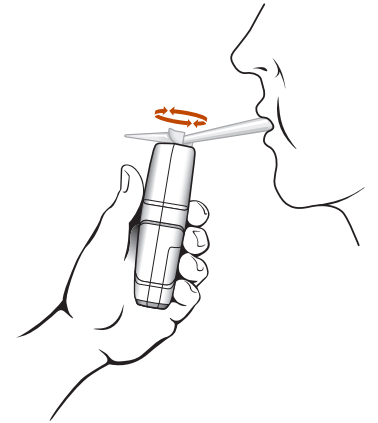
Read the result.

After taking a test, the LT7 will display the results in large numbers on the display

The result is stored in memory and available for viewing or downloading at a later date

Momentarily press the **Power** button to return to the test mode

Automatic Test Screen Displays

Blowing Man Screen	Breath Flow Screen	Alcohol Curve Screen	Result Screen
The LT7 is ready to take an AUTO TEST	As the subject blows into the mouthpiece, the LT7 will show a graph of the breath flow on the display	If the LT7 detects alcohol, the alcohol level is graphed and will be displayed before the result.	After the alcohol is graphed, the test result is displayed. The result will remain on the screen until the Power button is pressed or until shut-off time is reached.

Conducting a Manual Override Test

Note: This feature allows the completion of a test in the occasional instance when the subject may have diminished lung capacity and cannot activate the Auto Test.

Turn the LT7 on.

Attach a mouthpiece to the top of the unit and verify the display reads "AUTO TEST" with the Blowing Man icon.

Instruct the subject to blow into the mouthpiece **firmly and steadily for as long as they can**

While they are blowing and when they are near the end of their breath, press the **Execute** button to take the sample

Read the result.

Note: Manual Override testing is pressure activated. If the subject does not blow air into the mouthpiece, the test cannot be conducted.
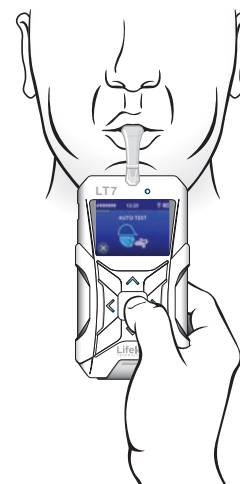
Conducting a Passive Test

The LT7 monitors pressure at the sample port and automatically takes a passive test when it senses the subject's breath flow

Passive testing can be done either with or without a cup, which makes passive testing on multiple subjects easier

Turn the LT7 on.

From the Blowing Man icon, press the right arrow key to enter Passive Test mode

Verify the display shows "Passive Test" and there is no Blowing Man icon.

Hold the LT7 sample port on top of the unit about between 1-6 inches from the subject's mouth.

Have the subject blow toward the port.

The LT7 will display a graph of the subject's breath flow and when high enough, take the sample

Read the result. The unit will only display "POS" or "NEG". It will not display the actual numerical result.
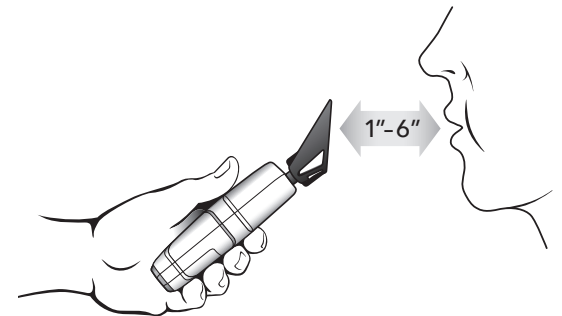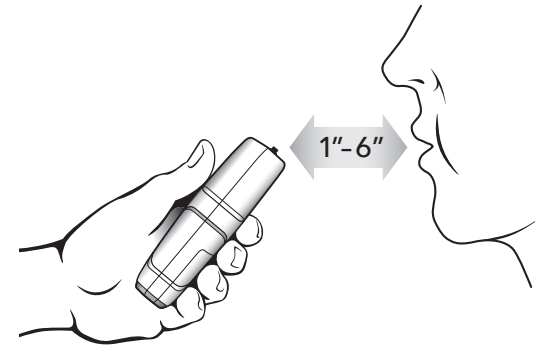
Manual Override Passive Test

When using the LT7 to detect alcohol in an open container, position the unit over the end of the container and press the **Execute** button.

Read the result. The unit will only display "POS" or "NEG". It will not display an actual numerical result.

Passive Test Screen Displays

Passive Test Screen	Breath Flow Screen	Alcohol Curve Screen	Results Screen
When taking a passive test, the Blowing Man icon is not displayed and Passive Test is displayed.	As the subject blows into the mouthpiece, the LT7 will show a graph of the breath flow on the display	If the LT7 detects alcohol, the alcohol level is graphed and will be displayed before the result.	The unit will only display "POS" or "NEG". It will not display the actual numerical result.
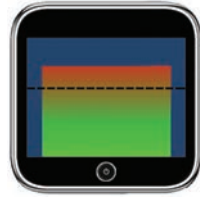
History

The History menu is where all tests, calibrations and accuracy checks are stored. The LT7 can store up to 10,000 tests in memory. Any test, calibration or accuracy check in memory can be viewed or downloaded.

Results sorted by date. Select a date to see all the tests from that date in test numerical order
All - View any test, calibration or accuracy check in memory

Tests - View any test in memory, sorted by date

Calibrations - View any calibration in memory, sorted by date

Accuracy Checks - View any accuracy check in memory, sorted by date

Clear Test Memory - Deletes test results in memory, does not delete accuracy checks or calibrations stored in memory

Calibration Menu

CALIBRATION

☑ Accuracy Check   >
⏲ Calibration
⚙ Cal Settings
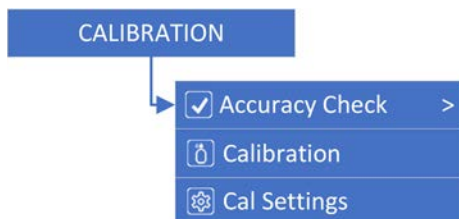
Use this menu to choose type of calibration, concentration of reference standards, and to calibrate or perform accuracy checks on your LT7. The LT7 can be calibrated or have its accuracy checked using either a wet bath simulator or an Ethanol/Nitrogen cylinder (Dry Gas Tank.)

Accuracy Checks

An Accuracy Check is a test on a known standard to verify proper function of the LT7. Accuracy checks are used to verify the LT7 is calibrated correctly and is within the acceptable accuracy range Accuracy Checks are also referred to as "Verifications" or "Cal Checks".

See Specifications for recommendations regarding regularity of accuracy checks.

Wet Bath Simulator Set-Up

Pour a bottle of certified alcohol solution into the simulator jar and hand tighten lid.

Connect 11-12" long tube from input port to output port so no alcohol escapes while the simulator heats up

Plug in the simulator and turn it on. The simulator automatically heats the solution to 34° C (93.2° F) in about 5 to 10 minutes.

Proper operating temperature is important for accuracy so be certain to check temperature before proceeding
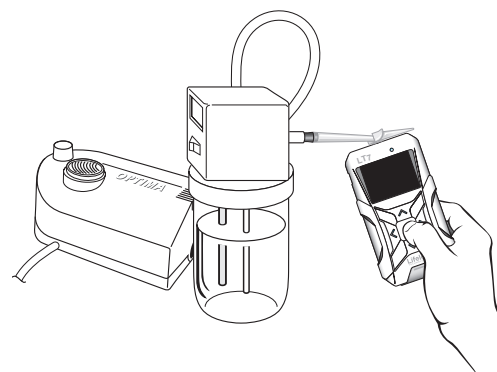
Performing a Wet Bath Accuracy Check or Calibration
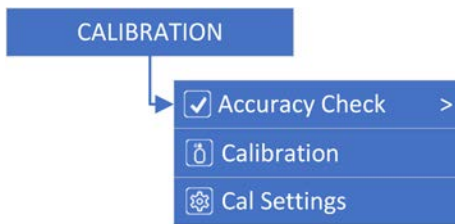
CALIBRATION

☑ Accuracy Check   >
🗓 Calibration
⚙ Cal Settings

From the LT7 menu choose either Accuracy Check or Calibration and verify your standard concentration.

When you see this image on the LT7 connect the tube from the simulator input to a pump or a calibration mouthpiece, then use a calibration adapter to connect the simulator output to the LT7 mouthpiece
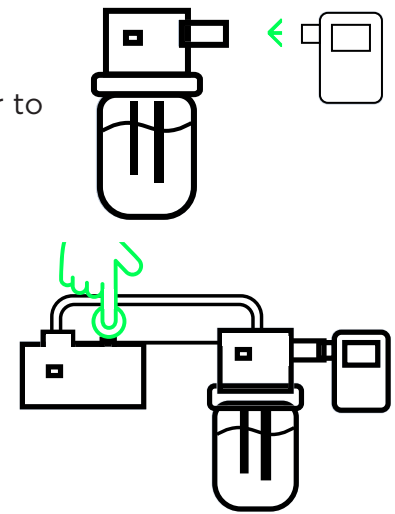
When you see this image on the LT7, turn on the pump or blow into the simulator at a rate that creates about 0.5 inches (12 mm) bubbles on the surface of the solution and press the Execute button to begin the LT7 sample countdown.

After 3 seconds the LT7 will take the sample, after 6 seconds you can turn off the pump or stop blowing.

Remember when using a wet bath you do not adjust for altitude

Dry Gas Tank Set-Up

Attach the regulator to the dry gas tank.

Attach the mouthpiece adapter to the output port on the regulator

Securely fit the mouthpiece to the mouthpiece adapter

Performing a Dry Gas Accuracy Check or Calibration

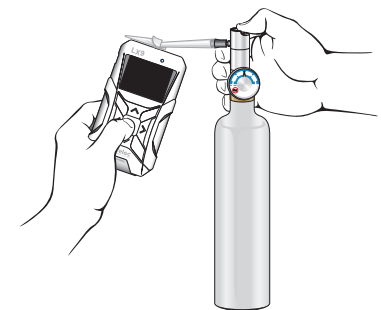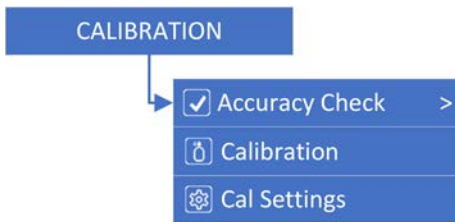From the LT7 menu choose either Accuracy Check or Calibration and verify your standard concentration.

When you see this image, connect a mouthpiece from the LT7 to the Calibration Adapter on the regulatory and press the Execute button.
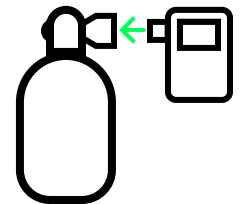
When you see this image start the gas flow by pressing the button on the dry gas regulator, then press the Execute button to start the LT7 sample countdown.

The LT7 will sample after 3 seconds and you can shut off the gas after 6 seconds.

Remember, with the LT7 you do not adjust for altitude when using dry gas standards.

Calibration

A calibration is a test on a known standard to verify accuracy of the LT7. The calibration process compares the LT7 accuracy against the standard and *if needed* adjusts the internal measurement to correct the instrument accuracy

The initial calibration test records the condition of the instrument when calibration is started commonly referred to as *As Found*. If an adjustment is made, then the following accuracy check will record the *As Left* condition.

Calibrations are typically performed by trained individuals and to calibrate the LT7 internal temperature must be between 68° and 95° F (20° - 35° C).

See Specifications for recommendations regarding regularity of calibrations.

Note: The LT7 has an internal barometric pressure sensor to simplify the use of dry gas when performing a calibration. Do not adjust the values of dry gas standards for altitude as this is done automatically by the unit.

Calibration "As Found" Result outside Accuracy Range

The results will show on the display with a red X. When ready to proceed with adjustment, choose **Execute**. The LT7 will adjust based upon the initial calibration test. A 2 minute timer will start to ensure the instrument is ready before proceeding.

The LT7 will then display instructions to connect it to a cylinder or simulator Choose **Execute** and start your gas flow. A timer will display showing 6 seconds that calibration gas should flow. The LT7 will take the sample at the 3 second mark.

This accuracy check will record the condition of the instrument *As Left*

Note: If the *As Left* accuracy check is outside of the specified accuracy range of the instrument, it will proceed with adjustment again. To cancel this process, momentarily press the **Power** button but understand that the instrument is not yet properly calibrated.

Cal Settings

Calibration Type selects between wet bath simulators "Wet" and dry gas ethanol in nitrogen tanks "Dry".

Cal Standard selects between the 4 default standard concentrations or allows selection of a custom standard value

Note: The LT7 has an internal barometric pressure sensor to simplify the use of dry gas when performing a calibration or accuracy check. Do not adjust the values of dry gas standards for altitude as this is done automatically by the unit.

Lockouts Explained

Lockouts are powerful features to ensure conformity to your program standards. Lockouts are set separately for calibrations and accuracy checks and include the following options:

Lockout   Enable/Disable lockout feature

Type   Choose to lock testing so the device cannot be used or just warning allowing usage

Time   Use the **Execute** button to choose between days, number of tests or both days and tests. The right **Navigation** button will allow you to set time (days) or number of tests.

Reminder   Used to set up a reminder that your unit will need a calibration or an accuracy check in a selected time frame. This will give the operator notification in a selectable time or test number range that the LT7 will need a calibration or accuracy check.

Changes to calibrations types, standards and lockouts are retained in memory and do not have to be changed unless the method used to perform calibrations or accuracy checks changes.

Settings

The settings menu contains the functional configurations of the LT7

Test Settings
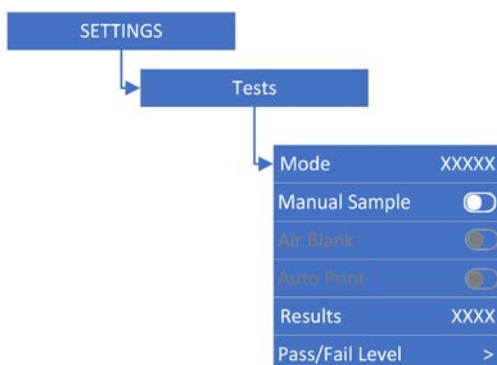
Mode -Selects test order. Pressing **Execute** will change between test orders.

Test Order 1 (Default)	Test Order 2	Test Order 3
Auto Test	Auto Test Passive Test	Passive Test Auto Test

Note: By selecting test order 1 you will disable passive testing.

Manual Sample - Enables Manual Override of Automatic and Passive Tests. Press **Execute** to turn manual sampling on or off

Results - Test results for Auto and Manual Override tests can be displayed in a "NUMERIC" or "PASS/WARN/FAIL" (PWF) format. Levels will only be available when PWF is selected.

Numeric results are in a 3-digit format.

PWF results display as either PASS, WARN or FAIL. Example, if "Pass" is set at .040 and "Fail" is set at 080 (the default settings on your LT7), then:

    Test results from .000 - 040 will display PASS
    Test results from .041 - .079 will display WARN
    Test results from .080 and above will display FAIL

Pass/Fail Level - Used to select the levels for "Pass" and "Fail". If the "Pass" and "Fail" level are next to each other then you will not see "Warn".

Note: you cannot set the "Pass" level higher than the "Fail" level.

Display Settings
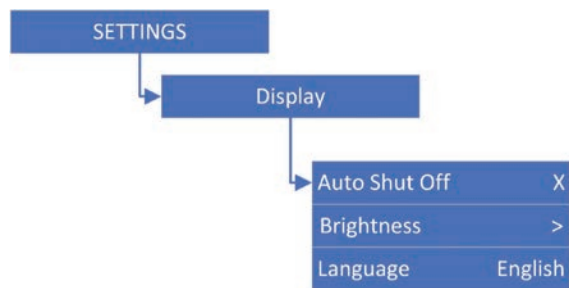
Auto Shut Off sets the time the unit will stay on without a keypress. Press **Execute** to select time

Brightness sets the level of display brightness. Choose from 0% to 100% or select "Auto" for automatic adjusting.

Note: higher backlight levels will consume more battery power

Language (Optional) if factory enabled allows selection of language for the operation of the LT7

Data Entry
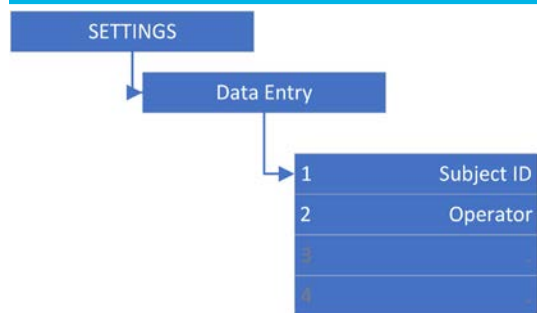
Data Entry Explained

The LT7 contains 2 data fields set up at the factory as Subject ID and Operator. Each data field can hold up to 30 alpha numeric characters and can be set up as either "Fixed" with static data that does not change per test or "User Input" (dynamic) that will be entered for each test.

Subject ID – Used to identify a unique test subject. If enabled the LT7 will prompt you to enter name or number each time you prepare to administer a test. The "Subject ID" will then appear with that test retained with the test record.

Operator – Used to identify an operator. If enabled the LT7 will allow you to enter the operator's name or number and will print that data with each test and retain it with each test record.

Configuring a Data Field

Data Entry - Displays all data fields enabled in the LT7. Select a data field to modify settings for that field.

Data Field - Displays settings for the selected data field.

Enabled - Turns a data field on or off

Label - Changes the name used to identify the data field.

Type - Choose between "User Input" or "Fixed".

Data - If "Type" is "Fixed" data is entered here

Date/Time
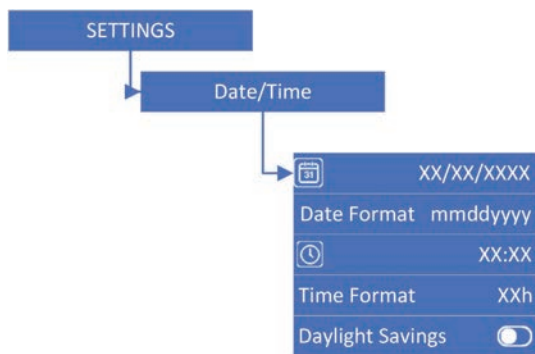
Date - Sets the date for the LT7 clock.

Date Format - Sets the date format as either "mmddyyyy" or "ddmmyyyy".

Time - Sets the time of day

Time Format - Selects between 12 hour (AM/PM) and 24-hour time display

Daylight Savings - Moves the clock ahead or back one hour

Security
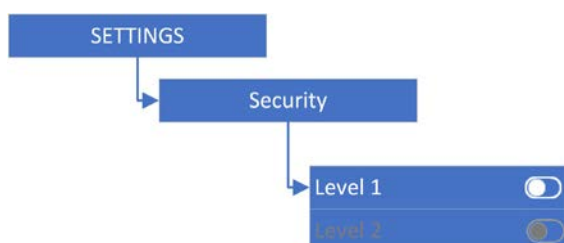
Security Settings Explained

The LT7 comes with the ability to use password security to protect access to calibration, calibration settings and user settings.

If you enable password protection the factory default password will be 1. It is highly recommended that you do not use the factory default password.

Without a password users are still able to conduct Automatic, Manual Override, Passive and Open Container tests; check battery status and temperature

Note: Record and store your password in a safe place. Lifeloc does not have access to your password. If password is lost, the only way to reset the unit is to call Lifeloc Tech Support.

System
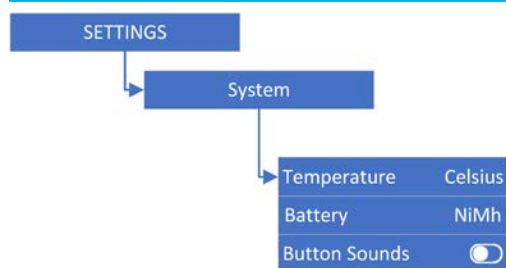
System Settings

Temperature – Choose between Celsius and Fahrenheit.

Battery - NiMH rechargeable or Alkaline, these settings are determined at the factory

Button Sounds - Enables audible feedback of button presses.

Messages Explained

Insufficient Breath · ➤ Subject breath flow ended early. Instruct the subject to try again or use manual override

>0.600 · ➤ BAC is above the instrument's maximum measurement range. Subject may require medical attention.

Cal/Accuracy Check Expired · · · · · · · · · · · · ➤ Perform a Calibration or Accuracy Check.

Cal/Accuracy Check Needed XX days · · · · · ➤ The LT7 is within XX days of Calibration or Accuracy Check lockout time

Invalid Test · ➤ No alcohol was detected during a Calibration or Accuracy Check.

Low Battery · ➤ Battery voltage is too low to take a test, recharge or replace batteries.

Temperature · ➤ When calibrating or taking a test while the LT7 is outside of temperature limits.
Calibration range = 68° – 95° F (20° – 35° C)
Testing range is 14° to 130° F (-10° to 55°C)

Service

If your LT7 should require repairs or maintenance, Lifeloc is here for you. Just an email or phone call will put you in contact with our technical support personnel. To reach our service department call 303.431.9500 or email techsupport@lifeloc.com.

Note: To prevent delays in service or additional charges make certain you receive an authorization number before sending your equipment to Lifeloc.

International Service
Contact your local factory authorized service center or email Lifeloc Technologies at techsupport@lifeloc.com.

Extended Service Plans

In the U.S., Extended Service Plans are available for your LT7. These provide complete coverage for an additional year at a reasonable cost and include free factory diagnostic checks. Call Lifeloc for details.

Notices

The LT7 is a professional device designed to be used by trained operators in conjunction with a specified, periodic maintenance and calibration/calibration check regimen. **Use by untrained operators or without periodic calibration or accuracy checks may result in invalid results or incorrect interpretation of results. The LT7 is not to be used by children under 12 years of age.**

DO NOT DRINK AND DRIVE. Lifeloc strongly recommends that no vehicle or machinery be operated after alcohol consumption. Even small quantities of alcohol can result in driving impairment.

The LT7 is not waterproof and should not be immersed in or exposed to excessive water. The LT7 is not suitable for use in a potentially explosive environment. The LT7 cannot be used inside an oxygen tent.

If the LT7 is equipped with Alkaline batteries and will not be used for more than 6 months remove batteries to avoid damage caused by leaking battery acid.

Disposal of Instrument

At the end of the instrument's service life:
• Do not dispose of the LT7 as unsorted municipal waste
• Dispose of the LT7 in accordance with national waste disposal regulations.

Specifications and Technical Data

Sensor	Electrochemical Fuel Cell
Accuracy	Meets or exceeds DOT specifications of +/-.005 BAC up to .100 5% from .100 BAC to .400 BAC **BAC, BrAC, g/210L** ≤ 100 BAC +/-.005 BAC ≥ 100 BAC +/- 5% of measured value **mg/L** ≤ 0.50 mg/L +/-0 02 ≥0.50 mg/L +/-5% of measured value
Measurement Range	000 to .600 BAC
Analysis time	Approximately 6 seconds
Display	2.2″ 240 x 320 color TFT display visible in daylight or dark
Memory	Up to 10,000 tests with all associated data
Communications	USB
Power Supply	Fast charge NiMH battery pack or three AA Alkaline batteries
Calibration Frequency	Lifeloc recommends calibrating the LT7 at least once a year or more often if specified by your internal policies and procedures.
Accuracy Checks	Lifeloc recommends performing accuracy checks on your device once a month or more often if specified by your internal policies and procedures to ensure proper operation between calibrations.
Calibration Adjustment	Lifeloc recommends that you adjust your LT7 during calibration process if the as found condition is greater than +/- .003 BAC of your calibration standard. (if your calibration standard is less than or equal a 100 BAC).
Size	~2.75″ X 5″ X 1.3″ (70 X 127 X 33 mm)
Weight [w/ batteries]	8 oz. (227 grams)
Operating temperature	14° to 130° F (-10° to 55°C)
Storage Temperature	0° to 130° F (-18° to 55°C)

Settings Chart

Auto Test	Tests	Accuracy Checks	Tests	About
Manual Test	Calibrations	Calibrations	Printer	
	Accuracy Checks	Cal Settings	Display	
	Print date Range		Data Entry	
	Clear Test History		Date/Time	
			Security	
			System	

Lifeloc Factory Warranty

The LT7 comes with a one year limited parts and labor warranty, effective on the date of purchase by the end-user

The Warranty covers:
- Parts and labor on covered repairs
- Software updates, as applicable
- Air freight back to the customer after the unit is repaired (U.S. only)

The Warranty does not cover:
- Freight to the Lifeloc factory
- Misuse, abuse, negligence or accidents

Lifeloc Technologies, Inc. ("Lifeloc") warrants to the buyer that at the time of shipment from Lifeloc's facilities, all new Lifeloc Equipment purchased through Lifeloc or one of our authorized distributors will be free from defects in material and workmanship, under normal use and service, provided that the buyer gives Lifeloc written notice of any defect within twelve (12) months from original invoice date (the "Warranty"). The term "Lifeloc Equipment" includes all [portable hand-held and fixed station breathalyzers manufactured by Lifeloc], as well as all printers, keyboards, cables, cases, and power supplies purchased as part of a new Lifeloc kit configuration. Software is warranted to perform substantially in accordance with Lifeloc user manuals and to be free from defects in materials and workmanship under normal use and service for a period of twelve (12) months from original invoice date

The Warranty does not apply if the product has been altered, customized, repaired, reported stolen or modified by someone other than a Lifeloc factory authorized technician, or if parts other than Lifeloc approved parts are used in replacement or repair

The buyer's exclusive remedy and Lifeloc's sole liability for breach of the Warranty shall be repair, replacement or, at Lifeloc's option, refund of the original purchase price paid by the buyer to Lifeloc for the Lifeloc Equipment that is shown, to Lifeloc's reasonable satisfaction, to be defective in breach of the Warranty ("Defective" and, the defect causing the Lifeloc Equipment to be Defective, a "Defect"). Under no circumstance shall Lifeloc be liable for an amount that exceeds the lesser of the cost of replacement or the original purchase price paid by the buyer to Lifeloc for the Lifeloc Equipment. Lifeloc shall not be responsible for any customer software, customer settings or configuration data or customer test records resident in any products returned for service, repair, warranty or recertification.

Lifeloc assumes no risk for damage in transit. If Lifeloc determines that a Defect was outside of or not covered under the Warranty, Lifeloc will estimate repair and service charges and obtain the buyer's

authorization prior to conducting any work to repair the Defective Lifeloc Equipment. Following repair, the Lifeloc Equipment will be returned to the buyer via standard ground transportation prepaid. Express charges, if authorized by the buyer, will be invoiced at the difference between the express charges and the standard return shipping charges.

Lifeloc shall not incur costs related to loss, damage or incomplete or inaccurate paperwork of returned product regardless of origination point.

THIS WARRANTY IS THE PURCHASER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. LIFELOC SHALL NOT BE LIABLE FOR ANY SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSSES, INCLUDING LOSS OF DATA, WHETHER ARISING FROM BREACH OF WARRANTY OR BASED ON CONTRACT, TORT, RELIANCE OR ANY OTHER THEORY

NOTWITHSTANDING ANYTHING TO THE CONTRARY IN THE FOREGOING WARRANTY, OR IN ANY AGREEMENT BETWEEN THE BUYER AND LIFELOC PERTAINING TO ANY LIFELOC EQUIPMENT, OR AT LAW OR IN EQUITY:

THE WARRANTIES, OBLIGATIONS, AND LIABILITIES OF LIFELOC, AND THE REMEDIES OF THE BUYER SET OUT IN THE FOREGOING WARRANTY, ARE SOLE AND EXCLUSIVE, AND ARE MADE AND ACCEPTED BY THE BUYER IN LIEU OF, AND THE BUYER WAIVES AND RELEASES, ALL OTHER WARRANTIES, OBLIGATIONS, AND LIABILITIES OF LIFELOC, AND ALL OTHER CLAIMS AND REMEDIES OF THE BUYER, EXPRESS OR IMPLIED, ARISING BY STATUTE OR OTHERWISE, WITH RESPECT TO ANY DEFECT IN LIFELOC EQUIPMENT, INCLUDING BUT NOT LIMITED TO THE WAIVER AND RELEASE BY THE BUYER OF THE FOLLOWING: (i) ANY STATUTORY OR IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR ANY PURPOSE, (ii) ANY IMPLIED WARRANTY ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE OR USAGE OF TRADE, AND (iii) ANY OTHER RIGHT, CLAIM, OR REMEDY WHATSOEVER OF THE BUYER OR OF ANY PERSON OR ENTITY CLAIMING BY, THROUGH, OR UNDER THE BUYER AGAINST LIFELOC, WHETHER ARISING PURSUANT TO THE FOREGOING WARRANTY, PURSUANT TO ANY AGREEMENT PERTAINING TO LIFELOC EQUIPMENT, OR IN CONTRACT, IN INDEMNITY, IN TORT (INCLUDING, BUT NOT LIMITED TO, NEGLIGENCE), IN PRODUCTS LIABILITY, IN STRICT LIABILITY, OR OTHERWISE. BY ACCEPTING OR USING LIFELOC EQUIPMENT, THE BUYER FURTHER ACKNOWLEDGES, UNDERSTANDS, AND AGREES THAT NO STATEMENT OR REPRESENTATION HAS BEEN MADE BY LIFELOC, OR RELIED UPON BY THE BUYER, THAT IS INCONSISTENT WITH THE FOREGOING WARRANTY

Without prejudice to the foregoing, Lifeloc shall not have any obligation or liability, and the buyer acknowledges that Lifeloc shall not have any obligation or liability whatsoever, to the buyer, or to any person or entity claiming by, through, or under the buyer, whether arising pursuant to the foregoing Warranty, pursuant to any agreement pertaining to Lifeloc Equipment, or in contract, in indemnity, in tort (including, but not limited to, negligence), in products liability, in strict liability, or otherwise,

(i) for any transportation, installation, removal, reinstallation, adjustment, or other expenses related to any Lifeloc Equipment covered by the Warranty or to other property, (ii) for any damage or loss to any property other than the Lifeloc Equipment covered by the Warranty, or (iii) for any special, indirect, incidental, or consequential damage or loss, even though such expenses, damages, or losses may be foreseeable, including, but not limited to: loss of profits or revenues, loss of use or equipment, cost of capital, cost of substitute equipment, repairs, or facilities, cost of downtime, or cost of purchased or replacement equipment or parts.

The limited remedies of the buyer set forth above shall be exclusive even though they may fail of their essential purpose. No agreement varying or extending the foregoing Warranty, no remedies, no exclusions, or no limitations shall be effective unless in a writing signed by an executive officer of LIFELOC. The correction of any Defect shall in no way extend the duration of the Warranty; only the unexpired warranty term of the Lifeloc Equipment applies to any repaired or replacement Lifeloc Equipment that is provided under the Warranty

The Warranty is non-transferable and is effective on all Lifeloce Equipment purchased from and after [September 1, 2014]. Rights and recourse may vary by country

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