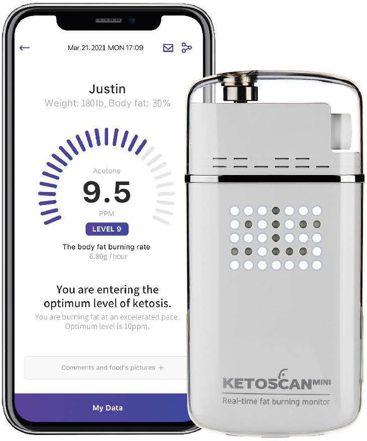
KETOSCAN MINI

Real-time fat burning monitor


Mar.21.2021 MON 17:09
Justin
Weight: 180lb, Body fat: 30%
Acetone
9.5
PPM
LEVEL 9
The body fat burning rate
6.80g / hour
You are entering the optimum level of ketosis.
You are burning fat at an excelerated pace. Optimum level is 10ppm.
Comments and food's pictures +
My Data
KETOSCAN MINI
Real-time fat burning monitor

Instruction Manual

0 Table of Contents

1 Precautions 02

2 Components 03

3 Product Description 04

4 Display Message 05

5 How to use 06~07
① When using the KETOSCAN App
② When using the unit separately

6 Level Guide 08~09

7 Product Specification 10

8 Sensor Replacement Service 11

9 Frequently Asked Questions (FAQ) 12~13

1 Precautions

1 The device gets locked after measuring 300 tests to maintain accuracy. If the device gets locked, please contact the nearest service center or through the app's 'Service Center menu' or the place of your purchase.

2 Washing the unit is prohibited. Especially, washing with alcohol can cause device malfunction. Simply wipe the unit using a dry towel or cotton swab to clean the unit.

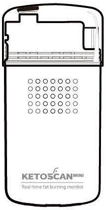
3 The test result can be affected, when measuring after drinking no other than water, such as coffee, juice, etc. also smoking and brushing teeth. Please wait at least 30 minutes before the test after the above actions.

4 The alcohol can influence the test result, so avoid testing within 24 hours of drinking and hangover.

5 Consult a medical expert when the result is continuously higher than 80PPM for long term period.

6 The accuracy of the sensor can be decreased when the unit is not used for 6 to 12 months.
In this case, please contact the nearest service center or through the app's 'Service Center menu' or the place of your purchase.

2 Components



KETOSCAN MINI

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Aluminum pack

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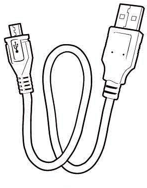
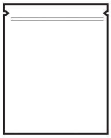
Portable pouch



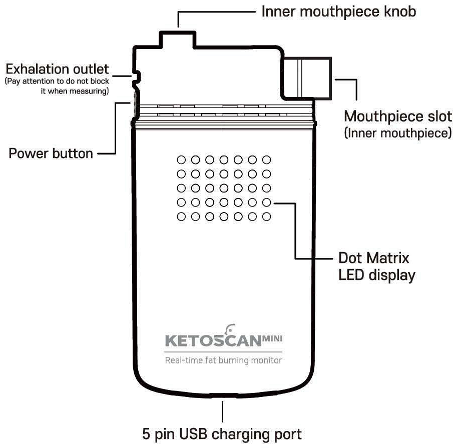
5 pin USB cable

5pcs of mouthpiece

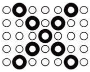


Poly pack
(For mouthpiece storage)

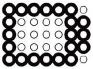
3 Product Description



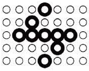
4 Display Message



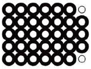
Breath sampling error
This message is displayed when there is no sufficient breath for the test. After this message the unit will re-enter to the measuring mode.



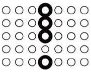
Low Battery warning
Charge the device using the provided USB cable.



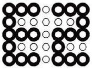
Battery charging (Blink)
This message is displayed when the unit is being charged.



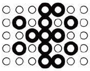
Complete charging the device
This message is displayed when the unit is fully charged.



Calibration Service is Necessary(Sensor Replacement Alarm)
This '! (Exclamation mark)' sign indicates that the unit needs a calibration service. Which is to maintain the precision of the unit. In this case, please contact the nearest service center or through the app's 'Service Center menu' or the place of your purchase.



Sensor Error
E2(Error 2) message is displayed when an error on the sensor is occurred. Please contact the nearest service center or through the app's 'Service Center menu' or the place of your purchase.



Bluetooth® mode
The unit is now connected with the app.

5-1 How to use

When using the KETOSCAN App

1. Search 'KETOSCAN' at Google Play (Android) or App Store(iOS) and install the KETOSCAN app.
2. Turn on the Bluetooth and GPS in the smart phone.
3. Run installed KETOSCAN app.
4. Turn on KETOSCAN MINI device by pushing the power for 2 seconds.
5. Tab "Pair Ketoscan" to search KETOSCAN MINI and select your KETOSCAN mini on the paring list.
6. Input necessary information and start the test.

·Sync your fitness/calorie counter app with the KETOSCAN app.
The information you enter into your Google Fit, Apple Health and FatSecret will automatically sync into the KETOSCAN app.

Sync with	To recall my
Google Fit	Weight, Calories consumed
Apple Health	Weight, Calories burned/consumed
FatSecret	Weight, Calories burned/consumed and macronutrients ratio

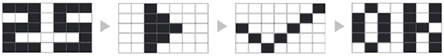
5-2 How to use

When using the unit separately

1. Turn on the device by pushing the power for 2 seconds.
2. Insert a disposable mouthpiece and start a test. Self-Diagnostic test can be activated before the test.
3. Self-Diagnostic test can be activated automatically before the test. After Self-Diagnostic test, the main test will be started automatically.

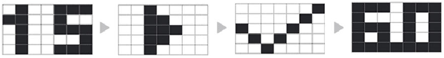
If you use the device alone without connecting to the app, you can check whether it is "Self-Diagnositc test" or "Main test" on the display of the device.

Sensor conditioning test



Waiting time countdown · Blow a breath · Complete to collect the breath · Complete sensor conditioning

Main test



Waiting time countdown · Blow a breath · Complete to collect the breath · Display measurement result

- Make sure to run the app first and then turn on the device.
- It can be paired normally when activate location (GPS) function and accept to allow the location information when run the app.
- Reattempt after network initialization when there are many connected Bluetooth devices in case of Android device.
- Log in with your ID and use the app to retrieve your records from other KETOSCAN MINI.

What is sensor conditioning test?
Sensor conditioning testing is a patented process that protects the sensor from environmental materials & gases. It ensures test accuracy and the long-term stability of your KETOSCAN sensor. This process will not be counted as test, so you don't have to worry about the 300-maximum test.

6 Level Guide

KETOSCAN MINI
Real-time fat burning monitor

Acetone
0.0
PPM
LEVEL 0

LEVEL 0 0.0~1.0ppm
The body fat burning rate 0g/hour
You are not in ketosis.
Body fat is not burning. Early ketosis starts at 2ppm.

Acetone
1.2
PPM
LEVEL 1

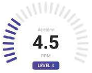
LEVEL 1 1.1~1.9ppm
The body fat burning rate 0g/hour
You are just right before ketosis.
Body fat is negligibly burning. Early ketosis starts at 2ppm.

Acetone
2.1
PPM
LEVEL 2

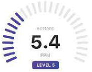
LEVEL 2 2.0~2.9ppm
The body fat burning rate 1.5g/hour
You are at very early stage of ketosis.
Body fat has just started to burn. Proper ketosis level starts at 5ppm.

Acetone
3.4
PPM
LEVEL 3

LEVEL 3 3.0~3.9ppm
The body fat burning rate 2.3g/hour
You are at early stage of ketosis.
Body fat is burning at a slow pace. Proper ketosis level starts at 5ppm.



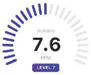
LEVEL 4 4.0~4.9ppm
The body fat burning rate 3g/hour
You are at just blow proper level of ketosis.
Body fat is burning at a slow pace. You enter Proper level at 5ppm.



LEVEL 5 5.0~5.9ppm
The body fat burning rate 3.8g/hour
You are at a reliable level of ketosis.
You are burning fat at a sub moderate pace. Optimum level is 10ppm.

Acetone
6.0
PPM
LEVEL 6

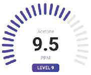
LEVEL 6 6.0~6.9ppm
The body fat burning rate 4.5g/hour
You are at a stable level of ketosis.
You are burning fat at a moderate pace. Optimum level is 10ppm.



LEVEL 7 7.0~7.9ppm
The body fat burning rate 5.3g/hour
You are at a proper level of ketosis.
You are burning fat at a full to moderate pace. Optimum level is 10ppm.

Acetone
8.5
PPM
LEVEL 8

LEVEL 8 8.0~8.9ppm
The body fat burning rate 6g/hour
You are approaching the optimum level of ketosis.
You are burning fat at a moderate to faster pace. Optimum level is 10ppm.



LEVEL 9 9.0~9.9ppm
The body fat burning rate 6.8g/hour
You are entering the optimum level of ketosis.
You are burning fat at an accelerated pace. Optimum level is 10ppm.

Acetone
40
PPM
LEVEL 10

LEVEL 10 10~40ppm
The body fat burning rate 7g/hour
You are in an optimum level of ketosis.
You are burning fat at a rapid pace. Be careful not to go over 40ppm.

Acetone
57
PPM
CAUTION

Caution 41~60ppm
You are approaching an excessive level of ketosis.
You are burning fat inefficiently.
Adjust your level to under 40ppm.

Acetone
62
PPM
DANGER

Danger 60ppm~
Danger! High risk level of ketosis.
There may be a serious risk to health(ketoacidosis).
Please seek medical attention.

It is possible to check the level guide at KETOSCAN dedicated app.

7 Product Specification

KETOSCAN MINI
Real-time fat burning monitor

- **Sensor Type** ······ High resolution acetone gas sensor
- **Display Unit** ······ PPM (Parts per million)
- **Measurement Range** ······ 0.0~99 PPM
- **Error Rate** ······ Less than 5ppm: +/-0.5ppm
  On or above 5ppm: +/-10%
- **Battery charge cycle** ······ More than 50 measurements
- **Analyzing Time** ······ Within 5 seconds
- **Power Charge** ······ USB port 5V more than 500mA
- **Mouthpiece** ······ Provided disposable mouthpiece
  or inner mouthpiece

8 Sensor Replacement Service

KETOSCAN MINI
Real-time fat burning monitor

The KETOSCAN mini has a sensor that can be used only up to 320 times. After 320 tests, the unit gets locked and requires the Sensor Replacement Service to maintain the accuracy. The Sensor Replacement Service is a special care solution that allows users to manage the device as if it is new for a long time while reducing the burden of replacing the entire unit.

If you connect the unit to the app, the app will remind you three times to get the Sensor Replacement Service after reaching 300 times tests. So, if you receive the notification, please request the Sensor Replacement Service within the reaming number of tests.

· **Sensor Replacement Cycle** …… 300 measurements
(Sensor replacement is recommended every 1 year or 300 measurements whichever comes first)

· **Storage Temperature** …… 41 ℉ to 122 ℉ (5℃ ~ 50℃)

· **Operational Temperature** …… 50 ℉ to 104 ℉ (10℃ ~ 40℃)

· **Certificate** …… US FDA Class1
KC / CE / FCC

The Service Center that provides the relevant service can be found at the "Service Center" menu in the KETOSCAN app.
Contact your nearest Service Center or the purchasing store to apply for the service.

9 Frequently Asked Questions (FAQ)

Q1 Is there a way to minimize Sensor conditioning test?

Sensor conditioning testing is an important process that protects the sensor from environmental materials & gases. It ensures test accuracy and the long-term stability of your KETOSCAN sensor. This function is normally used in breathalyzers for law enforcement, to avoid incorrect readings.
To minimize sensor conditioning tests, store your unit in an area where it is not exposed to any smells or gases. Also, after testing, leave the top cover of the unit opened for several minutes.

Q2 How can I get the most accurate test results?

It is important to blow into the unit correctly.
We recommend not to take a large inhale before blowing.
Instead, take a regular breath before blowing and hold your breath for two seconds. Then, start to blow. Try to blow the same way each time you take the test.

Q3 Do I need to change the disposable mouthpiece for every test?

If you're the only person using the unit, you can use the built-in mouthpiece for each time. If multiple users are using the single unit, then change the disposable mouthpiece for each use.

Q4 Why is the unit displaying an X on the screen?

This is an indication of insufficient breath for the test result.
First of all, make sure you have downloaded the KETOSCAN app and paired it to your unit, and follow the on-screen instructions. The app will guide you on how and when to blow. When you begin blowing you will hear a starting beep. Continue blowing for approximately three seconds until you hear a double beep.
The double beep indicates you can now stop blowing. If you are still getting this message, try blowing harder like blowing into a balloon.

Q5 How the volume of KETOSCAN MINI can be controlled?

Tab the Settings on the app after pairing the device and app.
Set the volume as you desire using the control bar.

Q6 Should the weight and body fat percentage entered on the app?

The entered information does not influence the test results. However, we recommend entering the numbers to track your data more effectively. Your entered numbers can be found under 'My Data' in the app.

Q7 I want to change the language in the app. Should I download another app?

KETOSCAN MINI app will show languages depending on the configuration of your smartphone setting. Please reboot the app after resetting your smartphone into another language.

SENTECH GMI

SENTECH GMI Corp.
#1713, #1714, 416 Hwagok-ro
Gangseo-gu Seoul Republic of Korea 07548
Tel: +82 2 6929 1310
www.ketoscan.com
sales@sentechgmi.com

Warranty

FCC compliance information

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Modifications not expressly approved by the manufacturer may void the user's authority to operate the equipment under FCC rules.

Limited ONE year warranty

Warranty coverage
SENTECH GMI Corp. warrants this product against defects in materials and workmanship under nomal use for a period of ONE (1) YEAR from the date of retail purchase by the original end-user purchaser ("Warranty Period"). Except as provided in the preceding sentence or applicable law, SENTECH GMI Corp. provides this product "as is". If a defect arises and a valid claim is received by SENTECH GMI Corp. within the Warranty Period, at its option, SENTECH GMI Corp. will either (1) repair the product, (2) exchange the product with a product that is new or which has been manufactured from new or serviceable used parts and is at least functionally equivalent to the original product, or (3) refund the purchase price of the product. When a refund is given, the product for which the refund is provided must be returned to SENTECH GMI Corp. or Seller and becomes SENTECH GMI Corp. or Seller property. This warranty is limited to the original end-user purchaser and is not transferable to, or enforceable by, any subsequent owner.