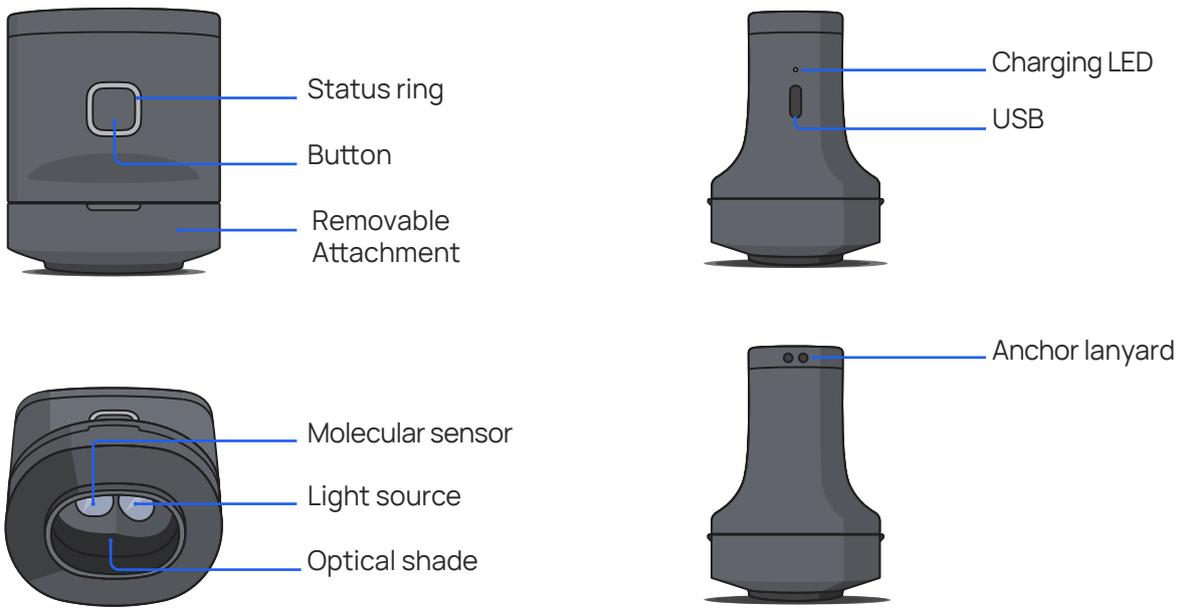


## Meet SCIO



## Status ring indications

- Green - turning on
- White - constantly on - connected and ready to scan
- White - flashing slowly - waiting for connection / pending to self-test
- White - flashing rapidly - just connected / disconnected / turning off
- Blue - constantly on - scanning
- Red - Low battery

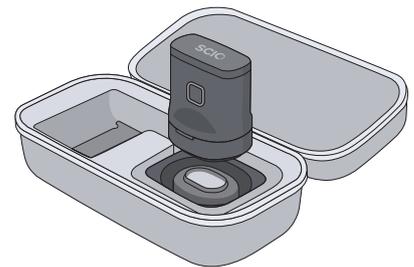
## Let's get started

- ① Charge the device for 3 hours or until the charge status LED glows green
- ② Launch SCIO app and log in using the credentials you received
- ③ Make sure your Bluetooth is on
- ④ Press the button for 1 second, the blue flashing button will indicate that the device is now on
- ⑤ Pair your device with SCIO app

## Self test

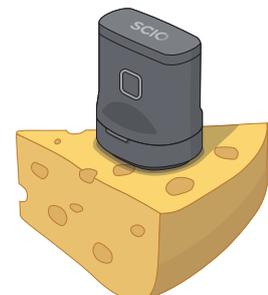
The self-test is designed to confirm that the device is functioning properly

- ① Place the device on the Self-test accessory in the case
- ② In the menu choose SCIO Settings → Self test
- ③ Press the "TEST" button in the app
- ④ Press "DONE"



## Scanning cheese

- ① Select the "Cheese" calibration from the app's home page
- ② Enter the relevant information and click "Next"
- ③ Place the device in contact with the cheese by lightly pressing the narrow edge into the cheese
- ④ Use either the "Scan" button in the app or press the button on the device to scan
- ⑤ Take at least 5 scans
- ⑥ Tap "Analyze" button to complete the analysis



## Common errors

**"Low signal. Please rescan."**

You probably have a low battery. Connect the device to the electric supply. You can continue to scan while charging.

**"Too bright. Please rescan."**

Make sure no external light is penetrating the flexible shade

**"Material not recognized"**

Make sure that you are using the correct calibration and that the material tested is within the relevant ranges (this can be found on the applet information screen)

## Recommended Cleaning Procedures

Gently clean the device and its accessories using a microfiber cloth dampened with water, mild dish soap, or isopropyl alcohol.

The device features a removable attachment designed for easy cleaning and convenient maintenance.

# Safety and Regulatory Manual

Read this documentation before using the SCIO Mini 2

## GENERAL PRECAUTIONS:

You alone are responsible for how you use your SCIO Mini 2 Molecular Sensor (SCIO Mini 2 device) and any consequences of its use. You must always switch off your SCIO Mini 2 whenever the use of an electronic or Bluetooth enabled device is prohibited.

Use of your SCIO Mini 2 is subject to the safety measures designed to protect users and their environment.

The battery in your SCIO Mini 2 is NOT fully charged when shipped.

Your warranty is INVALIDATED if you disassemble or attempt to disassemble the SCIO Mini 2 in any manner.

## IMPORTANT HEALTH INFORMATION AND SAFETY PRECAUTIONS:

When using this product, the safety precautions detailed in this document must be followed. Failure to follow the documented safety precautions can result in injury, electric shock, fire, and damage to equipment.

## ELECTRICAL SAFETY:

SCIO Mini 2 Molecular Sensor is designed to be charged ONLY with the USB type C charging cable provided.

Use only a double-insulated charger which is safety approved according to IEC/EN 62368-1, with rated voltage of 5VDC and certified as Limited Power Source (LPS). Other usage or charging attempts may be dangerous and will invalidate any warranty, and may prevent proper operation of the product. Make sure the external AC/DC adapter you use is certified to work with the relevant environmental conditions, as defined by the power supply specifications.

## BATTERY:

This product contains a Lithium Polymer battery. There is a risk of fire or burns if the battery is tampered with.

Do not attempt to open or service the battery. Do NOT attempt to disassemble, crush, puncture, short external contacts and/or circuits, dispose of in fire or water. Charging outside 0-45°C (32-113°F) temperature range can lead to battery damage or reduced performance. The SCIO Mini 2 battery cannot be replaced by users. The battery can only be replaced by an authorized SCIO SOLUTIONS service provider.

**Read the following information carefully to ensure ideal performance of your SCIO Mini 2 Molecular Sensor:**

**ENVIRONMENTAL RESTRICTIONS:**

- Do not use this device in gas stations, fuel depots, chemical plants, or where blasting operations are in progress or in potentially explosive atmospheres.
- Hearing Aids: Bluetooth can interfere with some hearing aids.
- Use only the cable and other parts supplied within this package to connect SCIO Mini 2 Sensor to any other equipment. Using any parts other than those supplied with your SCIO Mini 2 may damage the SCIO Mini 2 and/or the other equipment.
- Do not immerse the SCIO Mini 2 in water or expose it to extreme conditions (heat, cold, dust) as it may malfunction or cease to work as designed.
- The device has an Ingress Protection rating of IP53
- Do not attempt to disassemble or repair your SCIO Mini 2 yourself. Disassembly of your SCIO Mini 2 unit voids the limited warranty and may result in damage and/or physical harm.
- Keep SCIO Mini 2 and its accessories out of the reach of children at all times.
- The SCIO Mini 2 optical head is fragile and any type of strong impact will damage the device and void the limited warranty.
- Do not paint or decorate your SCIO Mini 2 or its accessories.
- Do not use chemicals, harsh solvents, chemical solvents or aerosols to clean the device or its accessories.
- Do not rapidly change the ambient air temperature around the device as it may cause internal condensation of moisture which might damage the device and void the limited warranty.
- Disposal- If it becomes necessary to dispose of your SCIO Mini 2 Sensor, do so in a responsible and legal manner according to the applicable laws and regulations of your country. NEVER dispose of a SCIO Mini 2 Sensor via incineration or fire as the device may explode or leak.
- Use sensibly- Use your SCIO Mini 2 Sensor only in the normal manner as described in the product documentation available

## WARRANTY STATEMENT AND DISCLAIMER

Subject to the terms and conditions set forth herein, SCIO SOLUTIONS warrants the SCIO Mini 2 Molecular Sensor (the "Product") to be free from defects in materials and workmanship for a period of one year following the receipt of the Product by the original purchaser or recipient. Complete details of the warranty and return procedures are available at SCIO SOLUTIONS' Internet website at: [consumerphysics.com](http://consumerphysics.com) (the "Limited Warranty").

any warranty set forth herein is subject to all procedures and exclusions set forth in the Limited Warranty. The limited Warranty granted by SCIO SOLUTIONS may vary by jurisdiction.

In the event the Product does not comply with the applicable warranty, you may contact SCIO SOLUTIONS for a return merchandise authorization (RMA) number according to the procedures set forth in the website of the Limited Warranty. If SCIO SOLUTIONS confirms that the Product does not comply with the applicable warranty it will either replace or repair the Product according to the terms and conditions set forth therein. All returns of Products that do not comply with the applicable warranty must comply with all terms and conditions set forth on the website of the Limited Warranty.

THE FOREGOING WARRANTY IS THE SOLE WARRANTY PROVIDED BY SCIO SOLUTIONS IN RESPECT OF THE PRODUCTS.

EXCEPT AS SET FORTH EXPRESSLY HEREIN, THE PRODUCT AND ALL INFORMATION HEREIN IS PROVIDED "AS-IS". TO THE MAXIMUM EXTENT PERMITTED BY APPLICABLE LAW, SCIO SOLUTIONS DISCLAIMS ALL IMPLIED AND STATUTORY WARRANTIES, INCLUDING WITHOUT LIMITATION ANY IMPLIED OR STATUTORY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT IN RESPECT OF THE PRODUCT AND ALL INFORMATION PROVIDED HEREIN.

Some jurisdictions do not allow the disclaimer of certain warranties, and so the foregoing disclaimer may not apply to you.

SCIO SOLUTIONS PROVIDES NO WARRANTY IN RESPECT OF THE ACCURACY OF ANY DATA OR INFORMATION GENERATED BY THE PRODUCT. ALL USE OF SUCH DATA AND INFORMATION IS AT YOUR OWN RISK.

No employee or representative of SCIO SOLUTIONS or any third party is authorized to make any modification, extension or addition to the express warranty set forth herein. If any term of the warranty set forth herein is held to be illegal or unenforceable, the remaining terms of the warranty will remain in full force and effect, and the illegal or unenforceable term shall be interpreted as necessary to give it maximum effect under applicable law.

### LIMITATION OF LIABILITY USE OF THE PRODUCT IS AT YOUR OWN RISK. TO THE MAXIMUM

EXTENT PERMITTED UNDER APPLICABLE LAW, SCIO SOLUTIONS (AND ITS AFFILIATES, RESELLERS AND DISTRIBUTORS) SHALL NOT BE LIABLE TO YOU UNDER ANY THEORY OF LIABILITY FOR ANY INDIRECT, INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES THAT MAY BE INCURRED BY YOU IN CONNECTION WITH THE PRODUCT OR THE USE THEREOF, OR ANY INFORMATION PROVIDED HEREIN, INCLUDING WITHOUT LIMITATION ANY LOSS OF OPPORTUNITY, LOSS OF PROFITS OR LOSS OF DATA, REGARDLESS OF WHETHER SCIO SOLUTIONS (OR ITS AFFILIATES, RESELLERS AND DISTRIBUTORS) WERE ADVISED OR AWARE OF THE POSSIBILITY OF SUCH LOSSES. TO THE MAXIMUM EXTENT PERMITTED UNDER APPLICABLE LAW, THE TOTAL LIABILITY OF SCIO SOLUTIONS IN CONNECTION WITH THE PRODUCT OR THE USE THEREOF OR ANY INFORMATION PROVIDED HEREIN SHALL NOT EXCEED THE AMOUNT ACTUALLY PAID IN RESPECT THEREOF. SCIO SOLUTIONS ASSUMES NO LIABILITY FOR ANY ERRORS OR INACCURACIES IN ANY DATA OR INFORMATION GENERATED BY THE PRODUCT.

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## FCC COMPLIANCE STATEMENT

This device 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 residential installations. 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 and television reception.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause such interference, which can be verified by turning the device off and on, the user is encouraged to eliminate the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the device and the receiver.
- Connect the device to an outlet on a circuit different from the one that supplies power to the receiver.
- Consult the dealer or an experienced radio/TV technician.

## WARNING!

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with FCC Rules Part 15: Operation is subject to two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference that may be received or that may cause undesired operation.

RF Exposure info (FCC 2.1093)

The device meets the exemption from the routine evaluation limits in section 4.3.1 of KDB 447498 D01. Users can obtain information on RF exposure and compliance in the FCC website

Conforms to UL Std. 61010-1,

Certified to CSA Std. C22.2 No. 61010-1

Manufactured by: SCIO SOLUTIONS Ltd.

6 Ha-Nagar St.

Hod Hasharon 4527703 Israel

## SCiO Mini 2 System Specifications

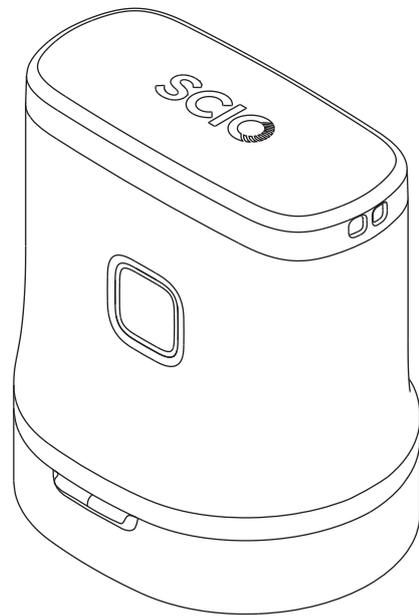
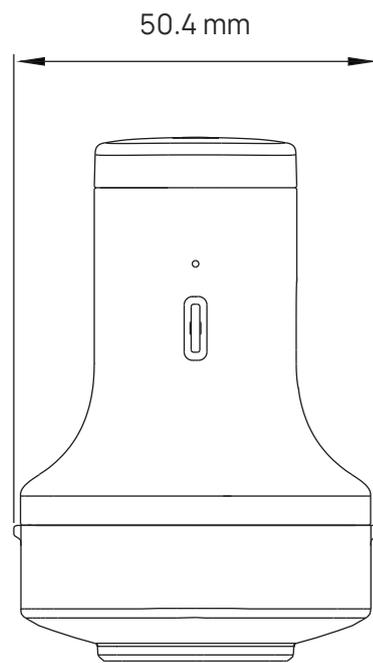
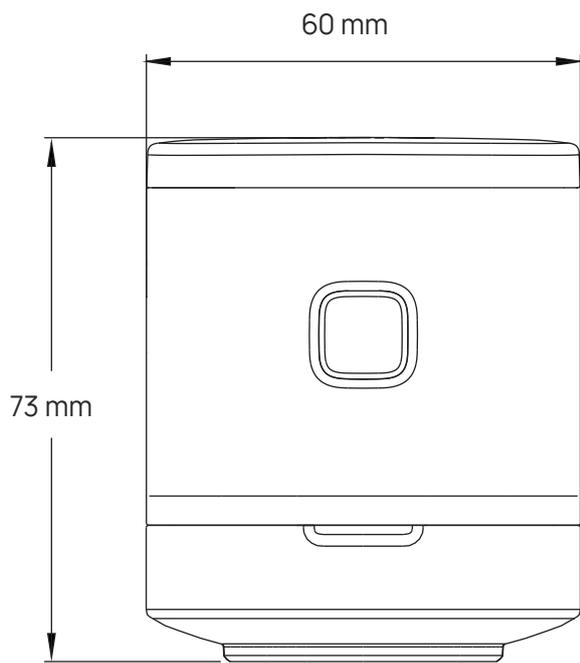
Use Parameters	
Scan time (typical)	3 sec
Analysis time (typical)	7 sec
Weight and Dimensions	
Weight (including lid)	800 gr
Device Dimensions (WxLxH)	160 x236x170mm (See Figure 1)
Package Dimensions (WxLxH)	160 x236x170mm (See Figure 1)
Environmental Conditions	
Operating ambient temperature	3°C to 40°C
Non-operating ambient temperature (for transport)	-40°C to 70°C
Humidity	10% to 90%
Pollution Degree	3
Ingress Protection	IP53
Interfaces	
Bluetooth 4.0 Low Energy (FCC Part 15 certified, CE certified)	
Bluetooth range	Up to 10m
External Buttons, LEDs and Connectors	
USB-C charging connector	
RGB-LEDs illuminated main button (On/Off, sample taking and battery low indication)	
Charging status LED (orange- charging; green- fully charged)	
System Requirements	
Bluetooth Low Energy (Bluetooth Smart) 4.0 support	
iOS	iOS 14.0 or later
Android	Android 10 or later

### Power and Battery

Built-in rechargeable lithium-polymer battery, charging via USB-C	900mAh
Auto-Shut-Off time	User-configurable (6min default)
Number of scans for full battery (typical)	> 1000
Time to charge full (powered off)	< 4h
Charging current	0.5A to 0.9A. For charging use only a double-insulated charger which is safety approved according to IEC/EN 62368-1, with rated voltage of 5VDC and certified as Limited Power Source (LPS)

### Optics

Illumination	Incandescent light bulb, 6.3V 200mA (eye safe)
Spectrometer wavelength range	750-1,070nm



Measurements are in millimeters