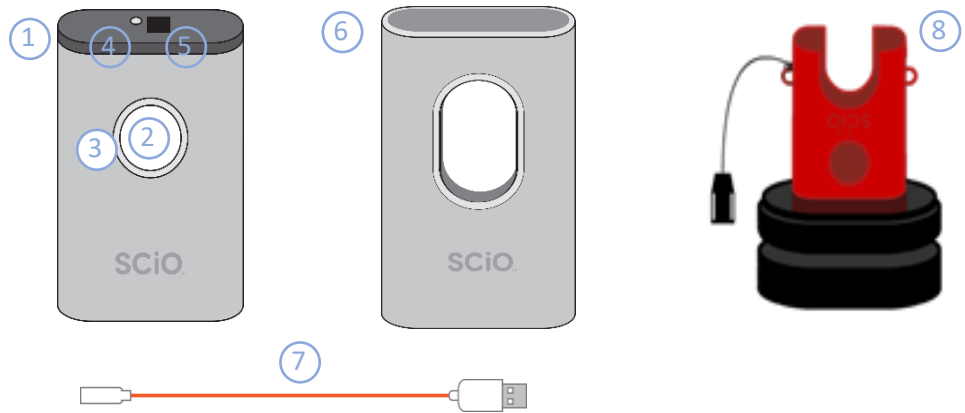
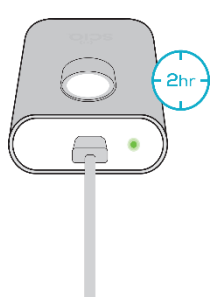


### Meet SCiO

1. SCiO
2. Function button
3. Status ring
4. Illumination source
5. Molecular sensor
6. Cover & calibration
7. Charging cable
8. Corn accessory



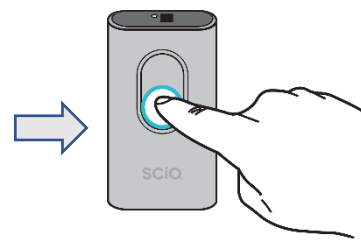
### Getting Started



Charge SCiO



Download and install the app



Turn SCiO on (push button for 2 seconds)



Launch the app and follow the onboarding instructions

### Workflow



Turn SCiO On

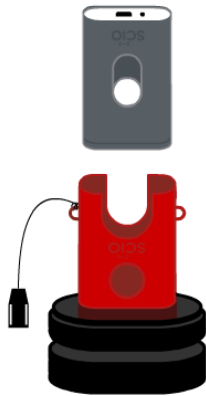
Log in (required only once)

Select the Corn Ear

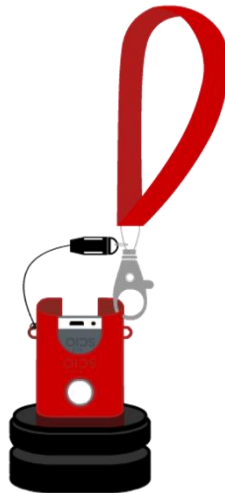
Scan 5 different ears from the same field location & tap 'Analyze'

See results

## How to Scan



Remove SCiO cover and put it aside.  
Slide SCiO into the Corn Accessory, make sure the sensor and illumination are facing to the black rubber.



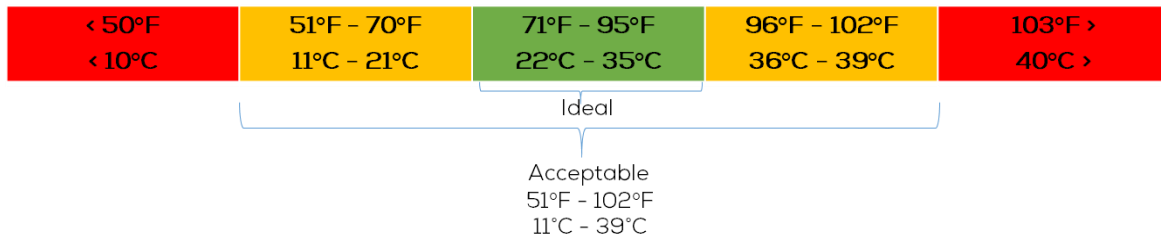
Move the metal clasp to the hole located on the opposite side of the black rack, It will keep SCiO device safe in the Corn Accessory



Pill the Husk from the Corn ear.  
Place the Corn Accessory on the corn ear in parallel to the ear.  
Apply light pressure on the Accessory until you'll feel that the inner rim located inside the black rubber is in contact with the corn.

## Sample Temperature

The sample temperature should be within the acceptable ranges below:



## Best Practices

- **For each field scan several ears** to get a good representation of the Field's moisture, as it will vary from ear to ear
- **Always use the Corn Accessory.** The accessory will protect against direct sunlight
- **Make sure the accessory is placed in parallel to the corn ear**
- **Make sure you apply enough pressure when scanning.** Hold SCiO so that the inner rim is in contact with the corn ear
- It is recommended to **scan at the center of the corn ear ("The equator")**. Remember, moisture can vary between top, center and bottom of the ear
- Make sure to scan **at least 5 validated scans** of different cobs from the same ear location.

## FAQ

**Q: How would you describe SCiO?**

A: SCiO is a revolutionary pocket size NIR spectrometer that enables real-time, on-field corn analysis

**Q: What are SCiO's advantages over existing methods?**

A: Scan corn right on the field, it takes seconds to measure, track history and stats, and it's very simple to use, with a click of a button!

**Q: Is it accurate?**

A: SCiO is accurate and consistent! It has been tested against industry's gold standard and has been proven to be accurate. Its calibrations are being monitored and updated automatically continuously.

**Q: Sample temperature is in unacceptable range. How much time should it temper?**

A: Let the sample temper for ~ 1 hour

**Q: What are the functions of the Function button?**

A: These actions will result in the following functions:

1. Long press (hold 1 sec)- Power on/off
2. Short press- Scan/Calibrate

**Q: Does the application for SCiO support Offline mode scanning?**

A: The answer is Yes! In locations where an internet connection is not available or the connectivity is poor, the application will switch to an Offline mode. In this mode the molecular fingerprints are collected, however the analysis is pending. Upon connection retrieval, the session will be analyzed in the Cloud and results will be obtained in return. Please note that you must tap the '**Analyze**' button to store the session.

**Q: If I take more than 5 scans per analysis – does it improve accuracy?**

A: It does, but the impact is not significant.

**Q: How can I add information to a scan record about the conditions, location or other?**

A: In the results screen you can add a photo and a note to a test result.

**Q: How can I view the scan history?**

A: In the home screen, select the "Results History" located above the applets list. You can search in the scan history for text you have inputted.

**Q: Do I need to re-calibrate the device?**

A: No, unless requested by the application. Please keep the SCiO Cover as it will be needed for calibration.

**Q: How long does the battery charge last for?**

A: SCiO is expected to perform 300 scans on a full charge. It will take 3 hours to fully recharge SCiO.

**Q: Who do I contact if I have any issue with my SCiO?**

A: Contact us at [support@consumerphysics.com](mailto:support@consumerphysics.com)

## Troubleshooting

### **Q: Several readings of the SCiO seem different than what I'd expect. What should I do?**

A: Carry out the following steps:

1. Try to scan more - either more scans of the same corn ear or more samples from the same field
2. If the problem persists please contact [support@consumerphysics.com](mailto:support@consumerphysics.com) and let us know. We will further investigate the issue and resolve it

### **Q: I get a material not recognized error when scanning. Is it faulty?**

A: Perform these checks:

1. Check that you are using the right applet for the material you are testing
2. Check that the SCiO sensor and the illumination source are pointing into the accessory (i.e. towards the corn ear)
3. Check that the molecular sensor is not dirty
4. If the problem persists, please contact [support@consumerphysics.com](mailto:support@consumerphysics.com)

### **Q: I get a "Too Bright, Please rescan" error when scanning. Is it faulty?**

A: Perform these checks:

1. Check that you are using the corn accessory correctly:
  - Accessory is placed in parallel with the corn ear
  - The rubber part covered all the scanning area and pressed all the way against the ear.
2. Check that the SCiO sensor and the illumination source are pointing into the accessory (i.e. towards the corn ear).
3. If the problem persists, please contact [support@consumerphysics.com](mailto:support@consumerphysics.com)

### **Q: The light around the button is flashing white and red. Is it faulty?**

A: The status light indicates the following:

- Blue-Flashing slowly-Pending for connection
- Blue-Flashing rapidly (short)-Just connected/disconnected/ Shut down
- Blue-Constantly on- Connected and ready to Scan
- Blue->White->Blue- Scanning/Analyzing/Calibrating.
- Orange-Flashing slowly- Pending for calibration
- Red (instead of Blue)- Low Battery