

The Agrosta 100 BLUE has been designed end 2021
It is a firmness / maturity tester dedicated to soft fruits
Communicating via Bluetooth with an app for android



Many thanks for having acquired an Agrosta instrument

Your package contains :

- A Box with the instrument itself
- A charger
- A certificate of conformity
- A manual
- A set of tip protections

The Agrosta 100 BLUE is provided with one sensor (10 , 25 or 50) according to your requirements
You can buy adaptors separately :

- A100-10 sensor for **peaches** (35% to 95%), **apricots** (45% to 95%), **grapes and kiwis** (35% to 95%) , **cranberries**– With the 10 mm tip, a reading of 85% corresponds to 4.5 Kg per 0.5 cm² with a penetrometer.
- A100-25 sensor for **tomatoes** (values from 45 to 80), **cherries, plums, melon flesh, grapes** (values from 30 to 80), **blueberries** (values from 25 to 70 - destructive), **peppers**
- A100-50 sensor for **strawberries**



The AGROSTA®100 BLUE is entirely designed and assembled in France. The motherboard comes from Hong Kong, and the shield boards are made in the USA. We use a German battery

The AGROSTA®100 BLUE is not waterproof! It is a precision instrument; please take care to avoid dropping or knocking it.

The AGROSTA®100 BLUE has a two year guarantee from its date of shipment

- Minimum %: 10% (operation threshold)
- Maximum %: 100%, when fully depressed, corresponding to a pressure of 806 grams
- Resolution: +/- 1%
- Maximum memory capacity: Huge – Limited only by smartphone or tablet
- Battery : 9 hours continuous work for 2 hours charging

USE THE ANDROID APP FOR SMARTPHONE AND TABLET

- First, switch on your device and associate it to your phone or tablet
- For this, go in PARAMETERS / BLUETOOTH and click on "Add device"
- Once it is associated, switch the agrosta 100 off and on again

www.agrosta.org/agrosta.apk



- Once the file is downloaded, you will find it in the DOWNLOADS folder of your smartphone or tablet
- Click on it in order to install it
- You will have several warnings as this file does not come from GOOGLE PLAYSTORE
- The first warning says "Setup of unknown applications is not authorized on this phone"
- Click on PARAMETERS
- Select "ALLOW THIS SOURCE"
- Click on INSTALL
- Then you have a warning : "BLOCKED BY PLAY PROTECT" : This app can be dangerous
- Then click on INSTALL ANYWAY

In order to use the **BARCODE SCANNER**, you should first install a QR code app to be downloaded on **GOOGLE STORE**

We use QR Scan from Tea Caps (Works for QR and simple BARCODES as well) – Might no work with some other QR code apps



Scanner de codes QR & de codes-b...

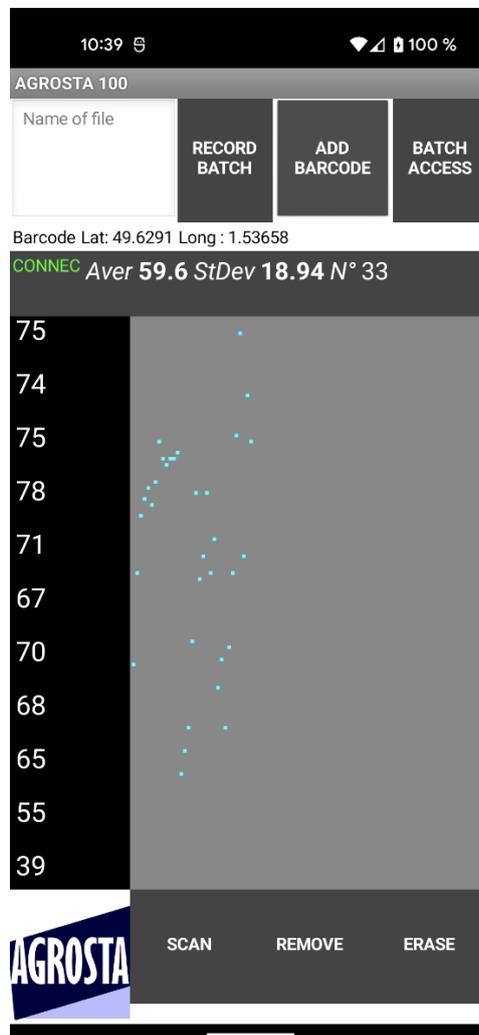
Annonce • TeaCapps • Productivité

Scanner QR en français.

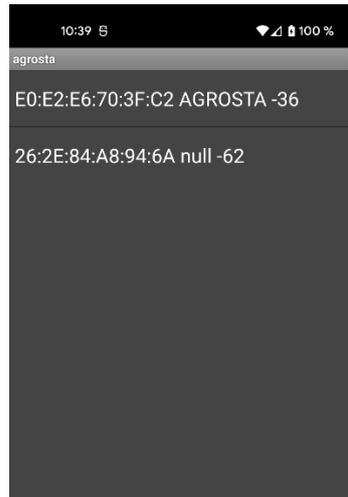
📌 Installée

For using the APP :

- Start the Agrosta 100 Field
- AGROSTA 100 FIELD : Follow instructions till point 6/ previously detailed in this manual, till measurement page
- AGROSTA 100 BLUE : Simply switch on the device and wait 3 seconds
- Once installed, start the app (only after having switched ON the device) :



- Click on SCAN on bottom left, close to AGROSTA logo



- If you obtain a black screen with no device detected :
- 1/ Check that the device is appaired (first steps in parameters)
 - 2/ Close the app (Really close, don't let it working in background)
 - 3/ Switch off and then on again the Agrosta 100
 - 4/ Reopen the app

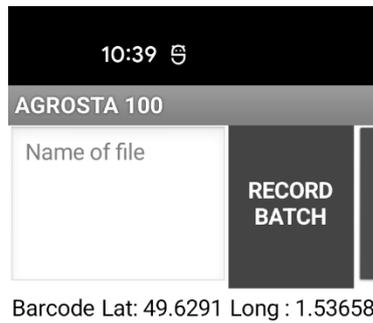
- Click on the line containing the name AGROSTA (here the first one)



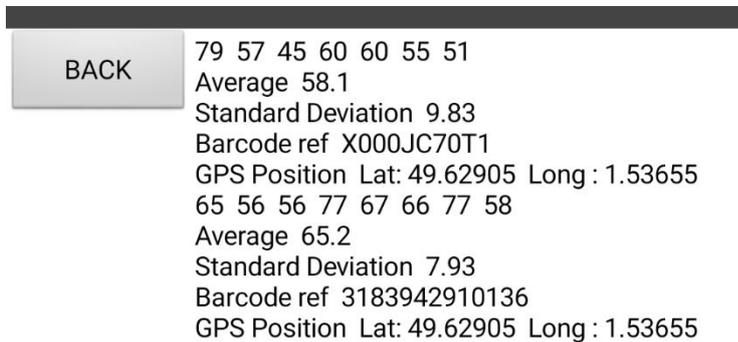
- You see now CONNEC appearing in green, which means the device is connected to your smartphone / tablet
- You can now start the measurements



- Once you have finished to measure your batch, enter a name of file and then click on RECORD BATCH



- If you use the name of an existing file, the data will be added at the end of the file (append)
- You can consult the previous batches by clicking on "BATCH ACCESS"



- Click on the button "BACK" in order to return to the measurement screen
- The files are available under ".csv" format (Excel compatible) with separator ";"
- There are located here on your phone or tablet :
Android/data/appinventor.ai_apollinaire_agro.agrosta/files



- Here is how a file look like after having stored 2 batches under same file name :

	A	B	C	D	E	F	G	H
1	79	57	45	60	60	55	51	
2	Average	58.1						
3	Standard Dev	9.83						
4	Barcode ref	X000JC70T1						
5	GPS Position	Lat: 49.62905 Long : 1.53655						
6	65	56	56	77	67	66	77	58
7	Average	65.2						
8	Standard Dev	7.93						
9	Barcode ref	3,1839E+12						
10	GPS Position	Lat: 49.62905 Long : 1.53655						
11								
12								
13								
14								