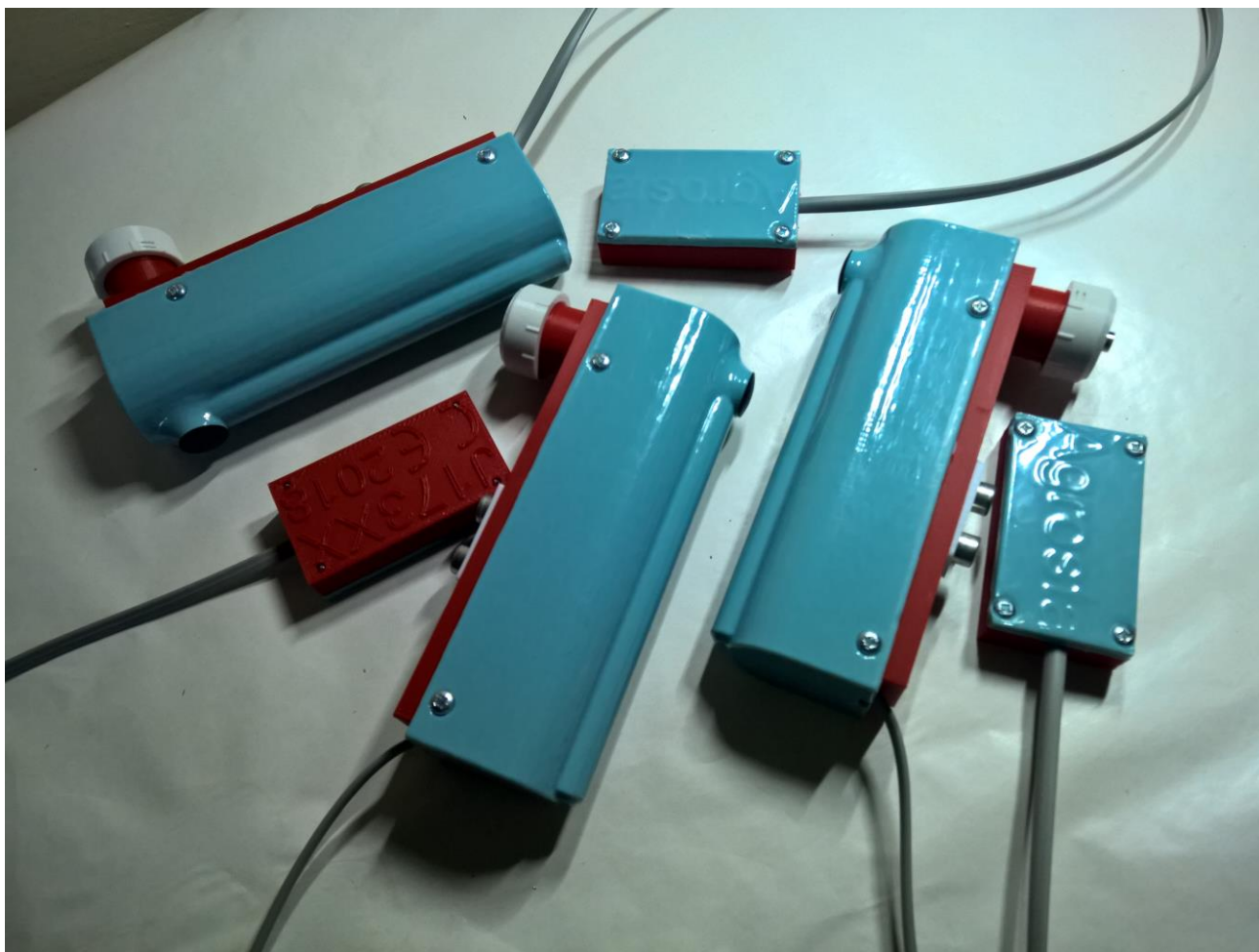


The Agrosta®100USB is a durometer that measures without destroying the hardness of  
fruits, vegetables,  
And of different farm-products, agro-industrial products and foodstuffs



Mark and patent registered.  
Designed and manufactured by AGROSTA

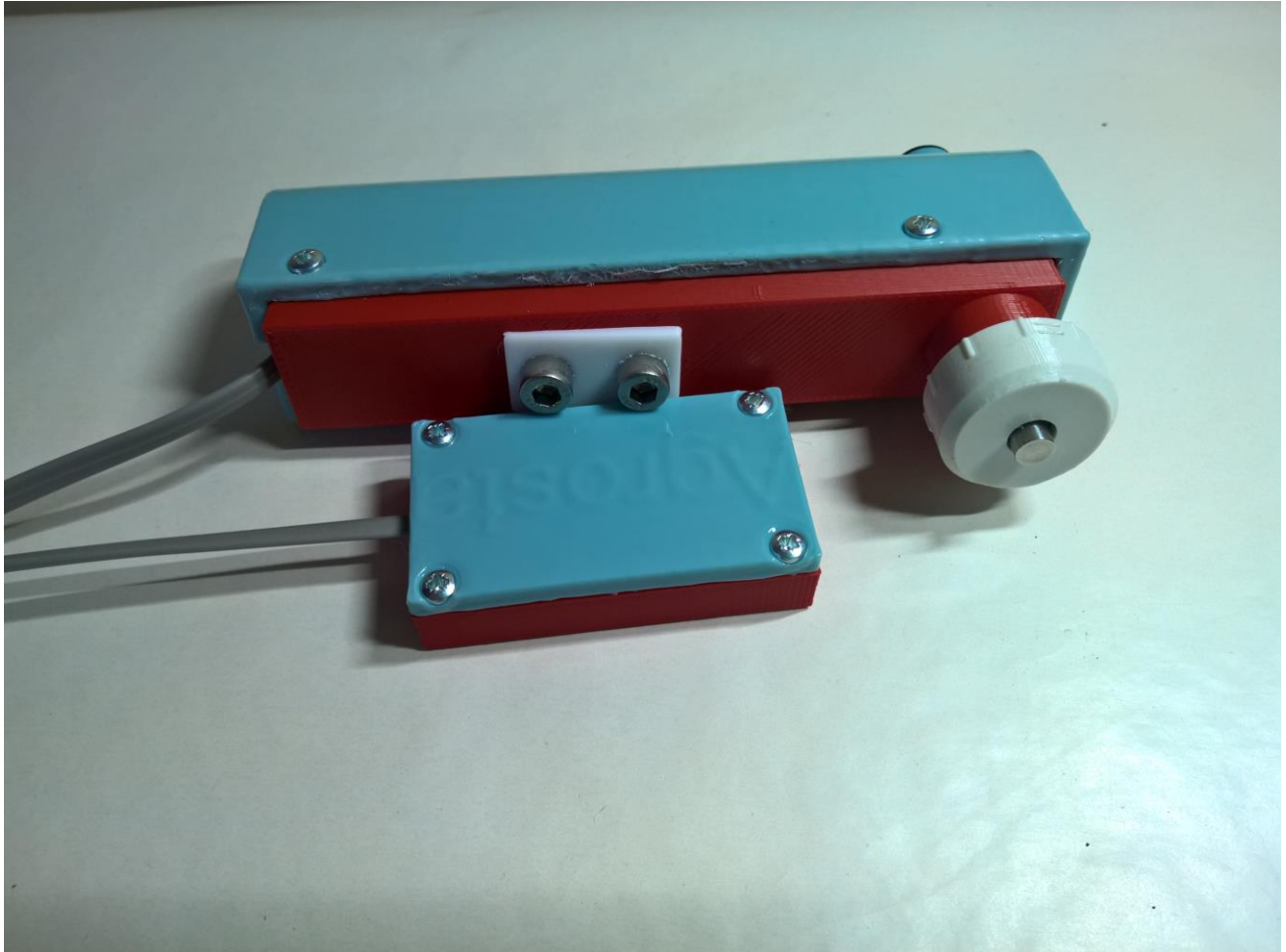
Congratulations for having acquired an AGROSTA®100 USB!

Your box contains:

- The device itself composed by the Usb box with pug, and a the sensor
- The software to be installed (On a Toshiba USB Key)
- The sensor according to your requirements
- The manual

The AGROSTA®100 USB has been completely designed and assembled in France. The main electronic board (Made in USA) has been manufactured through a highly robotized process.  
The AGROSTA®100 USB is not waterproof ! It is a precision instrument, avoid falls and shocks  
The AGROSTA®100 USB is guaranteed 2 years from the date of shipment

- Minimal % measurement : 5%
- Maximal % measurement : 100% when completely pressed (Shore A standard = 8.06 N for 100%)
- Resolution : +/- 1%
- Precision 24 Bits (10 million steps on the 100%)



- A100-10 sensor for **peaches** (35% to 95%), **apricots** (45% to 95%), **grapes and kiwis** (35% to 95%) – With the 10 mm tip, a reading of 85% corresponds to 4.5 Kg per 0.5 cm<sup>2</sup> 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**

1/ INSTALL DRIVER

- Insert USB stick in your computer

Nom	Modifié le	Type	Taille
DRIVERS_Windows7to10	14/12/2017 14:21	Dossier de fichiers	
DRIVERS_WindowsXP_Vista	15/12/2017 15:09	Dossier de fichiers	
INSTALL	15/12/2017 15:02	Dossier de fichiers	
autorun.inf	15/12/2017 15:02	Informations de c...	1 Ko
INSTALL.EXE	26/02/2014 10:39	Application	212 Ko
INSTALL.ZIP	15/12/2017 15:02	Archive WinRAR ZIP	11 736 Ko

- Choose the folder corresponding to your configuration (Windows 7 to 10 or Windows Vista to XP)

Driver Installer 10	12/12/2017 09:16	Dossier de fichiers	
Driver Installer XP Vista	12/12/2017 09:23	Dossier de fichiers	
x64	10/10/2017 20:34	Dossier de fichiers	
x86	10/10/2017 20:34	Dossier de fichiers	
dpinst.xml	27/09/2017 19:45	Document XML	12 Ko
Driver 32Bits.exe	27/09/2017 19:58	Application	903 Ko
Driver 64Bits.exe	27/09/2017 19:58	Application	1 026 Ko
SLAB_License_Agreement_VCP_Windows...	27/09/2017 19:46	Document texte	9 Ko
slabvcp.cat	10/10/2017 19:52	Catalogue de sécu...	11 Ko
slabvcp.inf	10/10/2017 19:52	Informations de c...	15 Ko
v6-7-5-driver-release-notes.txt	17/10/2017 00:49	Document texte	14 Ko

- The communication between the instrument and the PC is managed by a component made by Silicon Labs in the USA, it is one of the best interface components in the world
- If you have a 32 Bits version of Windows (Family, Student..), double click on “Driver 32Bits.exe”
- If you have a 64 Bits version of Windows (Professional..) double click on “Driver 64Bits.exe”
- If you don’t know which kind of Windows configuration you have, try both, the bad driver will simply be refused by your system
- Follow setup instructions

2/ CONNECT INSTRUMENT WITH USB CABLE TO COMPUTER

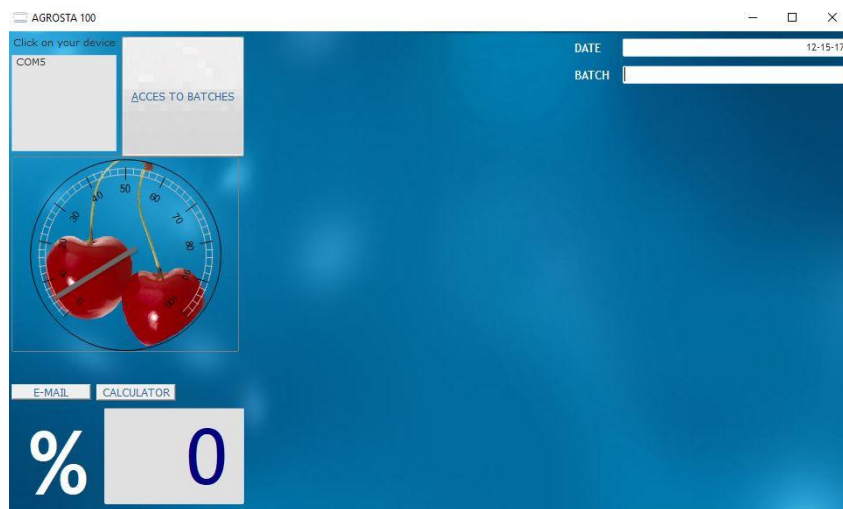
3/ WAIT A FEW SECONDS TILL IT IS RECOGNIZED

4/ INSTALL SOFTWARE FROM USB STICK

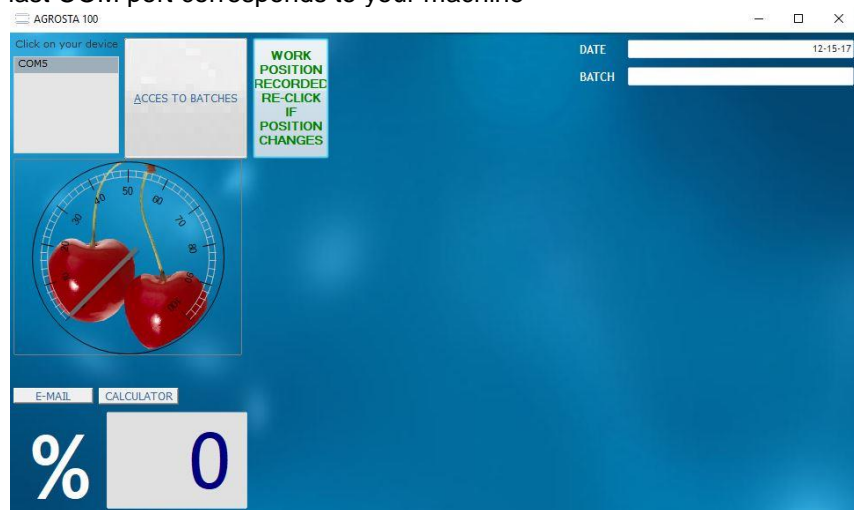
Nom	Modifié le	Type	Taille
DRIVERS_Windows7to10	14/12/2017 14:21	Dossier de fichiers	
DRIVERS_WindowsXP_Vista	15/12/2017 15:09	Dossier de fichiers	
INSTALL	15/12/2017 15:02	Dossier de fichiers	
autorun.inf	15/12/2017 15:02	Informations de c...	1 Ko
INSTALL.EXE	26/02/2014 10:39	Application	212 Ko
INSTALL.ZIP	15/12/2017 15:02	Archive WinRAR ZIP	11 736 Ko

- Double click on “INSTALL.EXE”
- Follow Setup procedure

5/ THE SOFTWARE STARTS IMMEDIATELY



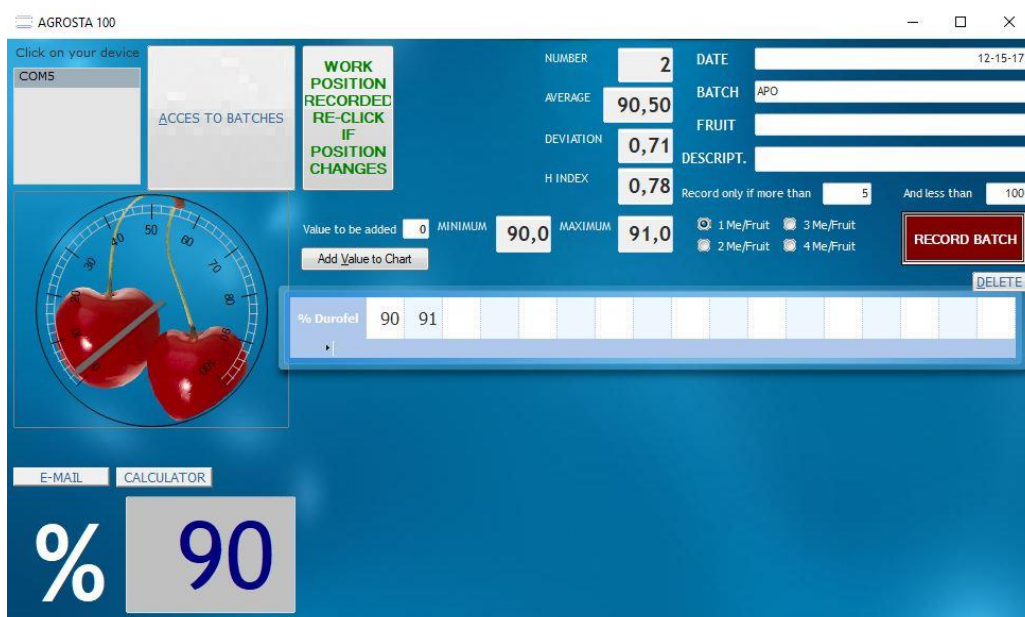
- On the left side of the screen appears a list of COM ports
- Select the one corresponding to your machine
- Usually, the last COM port corresponds to your machine



- Take the sensor in hand, and maintain it in work position (the position you will use for taking measurements) – The tip shall be free of any pressure (The sensor takes its origin)
- Click 2 times on “RECORD WORK POSITION” – The button changes and becomes green

6/ TRY MEASUREMENTS BY PRESSING WITH YOUR FINGER FIRMLY ON THE TIP

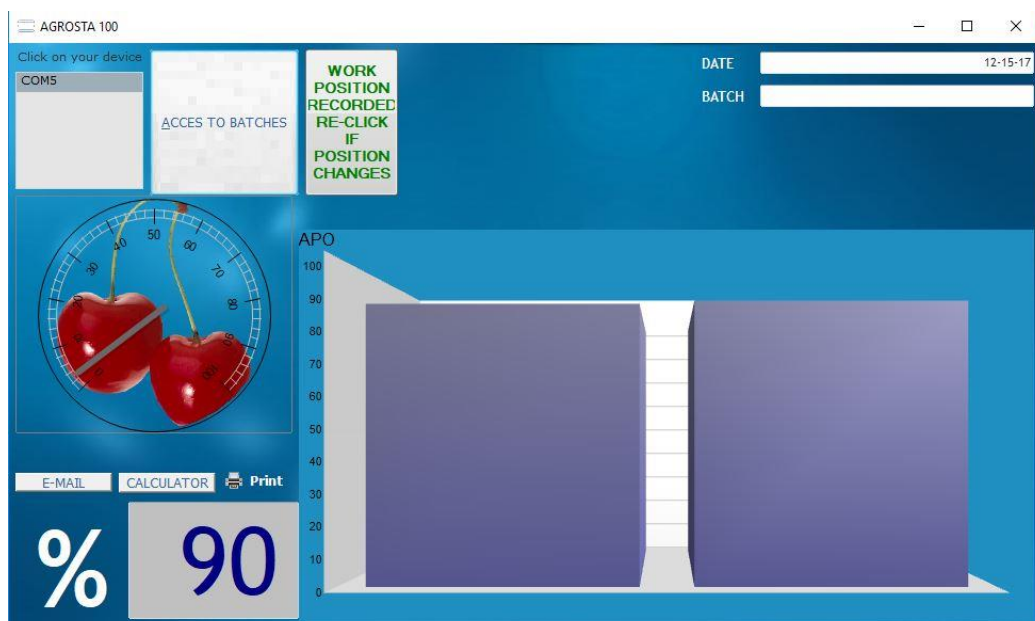
7/ START A NEW BATCH, ENTER BATCH DETAILS



- Once batch details are entered, click on “START”
- Measure each sample one after each other by pressing till abutment
- You can choose to make from one till 4 measurements per sample, click on the corresponding parameter
- If you choose more than one measurement per fruit, Only the average of each fruit will be added in the chart

8/ RECORD BATCH

- Click on the button “RECORD BATCH”
- A graph is displayed, as well as the statistics
- You can start a new batch immediately by entering new batch details



- All data are available under Excel compatible format (.csv) in the following folder :

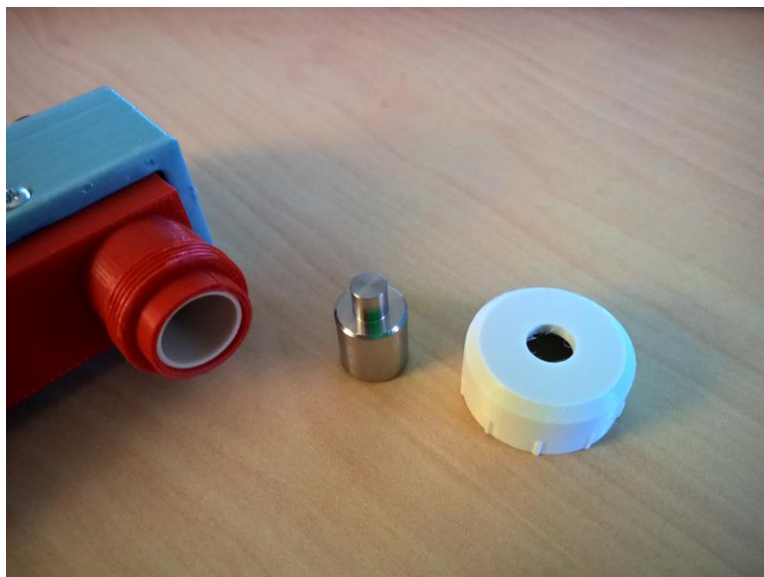
- **C:\AGROSTASAVE**

- Graphs & statistics are available in the following folder :

- **C:\AGROSTA**

#### 9/ CLEANING

- Unscrew the plastic abutment in order to access to the tip
- Remove the metal tip
- Clean tip and abutment with cold water and soap (If you use hot water, take care, the plastic abutment starts to become soft at 50°C)



#### 10/ CHECK CALIBRATION

- Press the sensor firmly on a table, you should obtain 100%
- If you obtain less than 96%, contact Agrosta for re-calibration
- Photo (Using old sensor head) :

