

The Agrosta®Life has been designed in 2015,
It is an Improvement of the Agrosta®Meat, designed to measure the firmness (hardness,
pressure, texture) of alive animals, human organs, meat and muscles
It is a statistic instrument



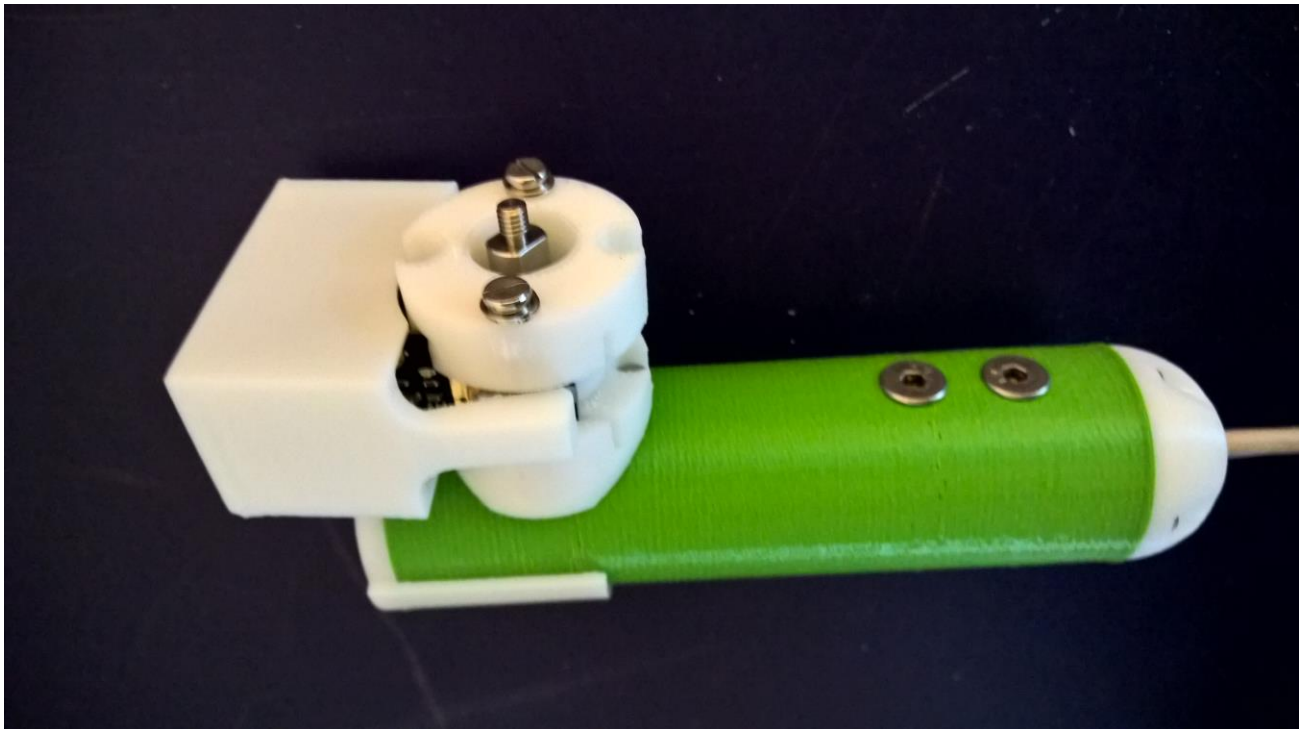
Many thanks for having acquired an Agrosta instrument

Your package contains :

- A Box with the instrument itself
- A sensor connected to the instrument
- A SD card already inserted in the instrument
- A micro SD to SD adaptor
- A charger
- A certificate of conformity
- A manual

The Agrosta®Life is provided with removable tips according to your requirements (2 tips) :

- Tips for women breast
- Tips for cows udders
- Tips for porc lounge
- Tips for alive birds
- Tips for chicken
- Tips for cooked meat
- Tips for beef

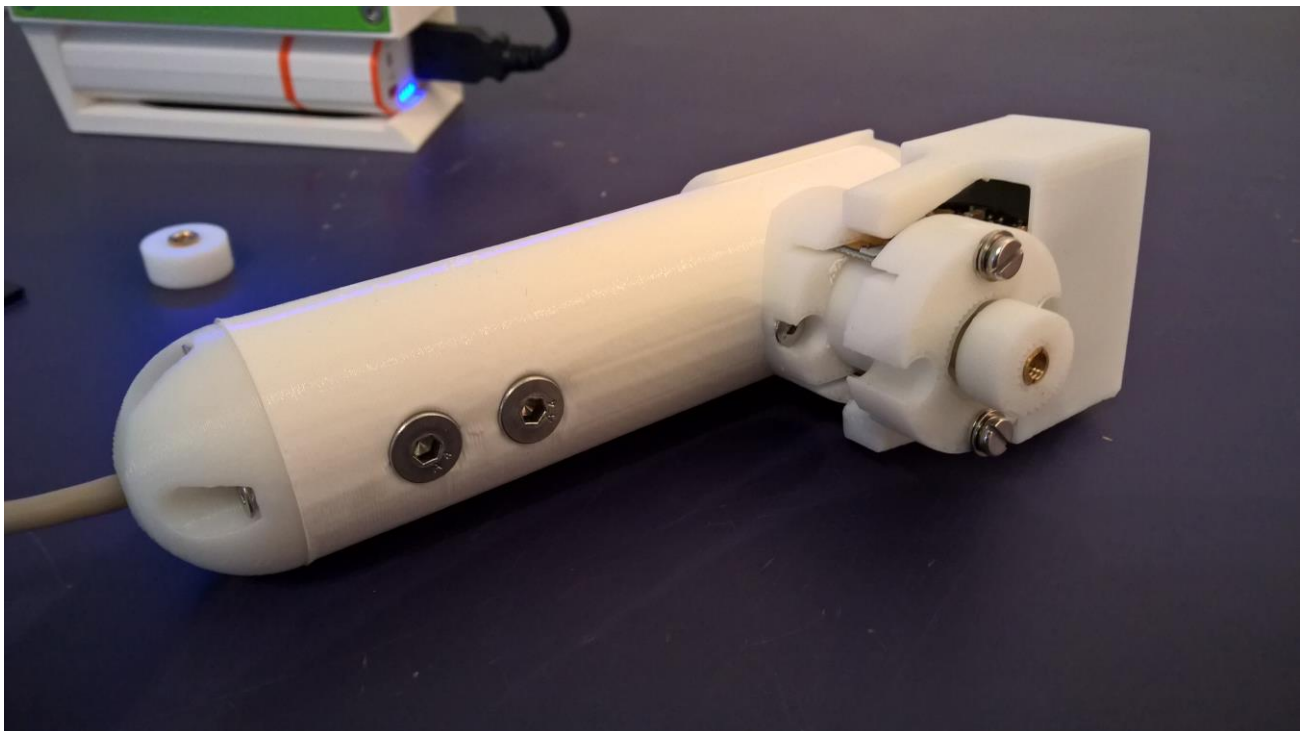


The AGROSTA®Life is entirely designed and assembled in France. The motherboard comes from Italy, and the shield boards are made by DF Robot. The battery comes from DURACELL in the UK.

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

The AGROSTA®Life has a two year guarantee from its date of shipment (Except on SD card, no guarantee on SD card).

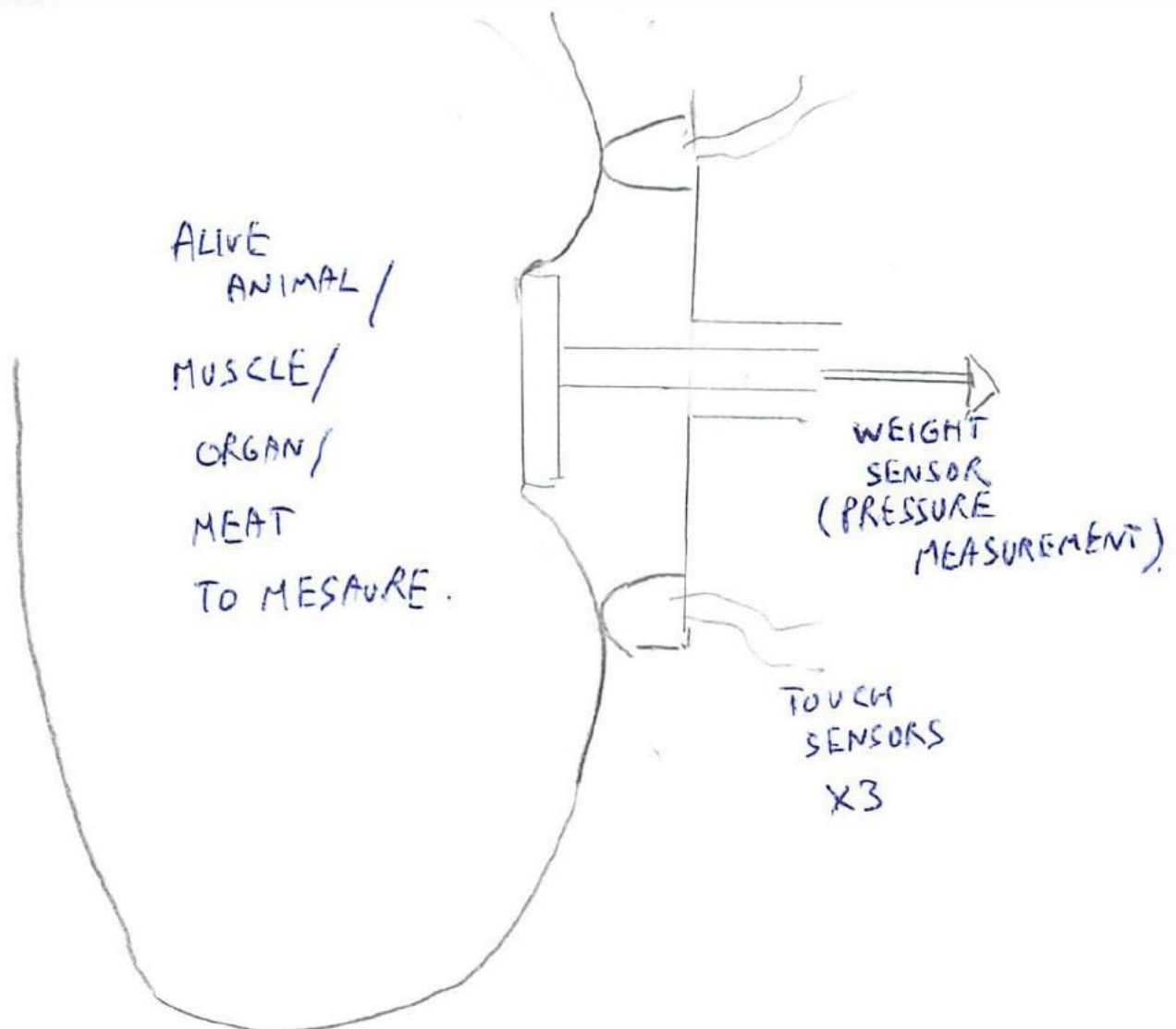
- Minimum pressure : 70 grams (operation threshold)
- Maximum pressure : 3500 grams
- Resolution: +/- 0.5 grams
- Charging time: 5 hours for 1 week work
- Maximum memory capacity: Huge – Limited only by SD.
- Maximum number of pieces of measurements per batch: 75



Other characteristics :

- The battery is high capacity (more than 5000 mAh)
- The precision is 24 bits which means that the pressure of 1500 grams is divided in 16 millions steps
- Equipped with a large screen (2 * 16 characters) with retro light
- Equipped with sd card slot for unlimited storage of data
- Can be charged by any mobile phone charger with micro-usb plug
- You can activate a light from the battery

MEASUREMENT PRINCIPLE



- Press the sample on the tip
- When the pressure reaches 70 grams, a counter starts on bottom left of the screen
- Continue to press your sample, and try to define your own protocol in order to reach the 2 touch sensors (2 screws) after a certain counter value – So you will always measure with the same speed
- When the 2 Touch points (screws) are in contact with the sample, the value of pressure is recorded – Stay pressed till the value appears on the screen
- Try to stay as parallel to the sample as possible !

1) HOW TO USE THE BATTERY

- Press a few seconds on the button of the battery, a strong light is switched on
- Press again, 4 blue leds appear, they indicate the charging level

2) HOW TO START THE INSTRUMENT

- TAKE CARE TO TAKE THE SENSOR IN THE RIGHT POSITION when you start the device (Tip free in the same position (approximate) as the one you will use when you sill measure..) :



The devices takes the origin when you switch it on. If the sensor is not in the right position when you start the device, you can have a mistake in the measurements that can reach up to 50 grams



While keeping the sensor in the right position, start the device with the switch on the side

3) HOW TO USE THE INSTRUMENT



1st Menu :



Press 1 to start a new batch, 2 to consult or delete previous batches

2nd Menu after choice 1 :



You can measure your samples one after each other
Press C to cancel last measurement
Press N to record and obtain statistics
Press E to go back to Home menu without recording

If choice N :



The statistics of the batch are displayed, Press E to go back to Home menu

Menu "Manage Database"



Press N for batched consultation – Each batch statistics is displayed during 3.5 seconds – “A” corresponds to the average, “St” is the standard deviation of the batch, “Hi” corresponds to the homogeneity index of the batch (shall be less than 10% for good homogeneity)



Press C to erase Data, and go back to Batch 1, the data is deleted on SD card (Confirmation is asked by pressing 1)



4) ON SD CARD

The SD card is located on the right side of the instrument. In order to remove it, apply a light pressure on it till it “clicks”



2 Files are available on the SD card :

- ALL.txt is used by the machine, and shall no be deleted nor modified (If deleted, it is re-created by the instrument, but the memory is erased)
- BATCHES.csv can be opened by Excel (choose “;” separator when Excel tries to open the file) – All measurements and statistics are stored on this file – We recommend to copy it on your computer, and not to modify the file on the SD card

5) OTHERS

You can watch this video in order to see how Agrosta Life is used on chicken :

<https://youtu.be/MWbM8klhTGY>

After each use, remove the tip and clean the instrument head very carefully with soap and wet tissue