

The Agrosta® Chicken Version 3 has been deigned in 2015
It integrates the best technology for measuring the firmness of chicken breast and alive birds
for veterinary and genetic research



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

Agrosta®Chicken

Digital Firmness Tester for chicken and alive birds

Agrosta

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

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

- Minimum Lb: 700 milli Lb (operation threshold),
- Maximum Lb : 40 000 milli Lb,
- Resolution: +/- 1 mLb
- Precision 1.5 mLb (24 Bits)
- Charging time: 1 day for one week work
- Maximum memory capacity: Huge – Limited only by SD.
- Maximum number of pieces of fruit per batch: 450



1) HOW TO USE THE BATTERY

- Press on the button on back side of the instrument
- 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 and looking at the floor..):



The device 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 0.1 Lb

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

In order to measure, press firmly on the
Chicken or alive bird breast till the black
Plastic abutment (ring) touches
The skin of the bird
Then remove the sensor
The Agrosta® Chicken records the maxi
pressure

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