

## **AGROSTA®100**

### **DIGITAL FIRMNESS TESTER**

New electronic durometer

The AGROSTA®100 replaces the standard DUROFEL after 20 years of service.

**The AGROSTA®100 measures without destroying the hardness of fruits, vegetables,  
And of different farm-products and agro-industrial products**



Mark and patent registered.

Designed and manufactured by AGRO-TECHNOLOGIE.

- ✦ The electronic durometer for fruits and vegetables AGROSTA®100 with its automatic depth limitation has been designed for firmness measurement of soft fruits like cherries, peaches, tomatoes, apricots, plums, strawberries, kiwis, grapes, and soft materials such as rubber, foam etc. with a different tip for each kind of product.
- ✦ Results are immediately displayed on the screen of the AGROSTA®100 : Average, standard deviation and homogeneity of every batch, with the possibility to transfer the data to a PC via USB.
- ✦ Security of the results:  
No more manual registering, the electronic equipment records the values of the measurements in order to be able to transfer them later on a PC via USB under an Excel compatible file.

## **AGRO TECHNOLOGIE**

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# AGROSTA®100

## DIGITAL FIRMNESS TESTER



**The AGROSTA®100 replaces the standard DUROFEL by integrating new features and more precision,**

*It is endowed with the latest technologies :*

*Miniature electronics without heavy metals ( European rule 2006 )*

*Transfer of data via USB – High performance rechargeable batteries*

*Practical design*

*Automated industrial production ...*

*The AGROSTA®100 does not penetrate into products,  
it measures the superficial withdrawal under the effect of a force, like when you touch a product.  
The measure is thus NON DESTRUCTIVE.*

*The device is portable, autonomous and gives immediately for every batch the average, the homogeneity, the standard deviation.*

*Its electronic equipment records the values of the measurements. Data can be transferred later on a PC through Usb cable*

*The AGROSTA®100 is adapted to soft fruits, like cherries, peaches , tomatoes, strawberries, kiwis, apricots, plums, grapes and soft materials like rubber, foams etc....*

**For crispy or firm fruits like apples,**  
<http://www.agro-technology.co.uk/agrosta14.htm>

***The AGROSTA®100 can be adapted to many types of products - contact us***

### Characteristics :

Measurements :

From 1 to 100 % (% Durofel)

Resolution 1 %

Precision +/- 1 %

### Characteristics of the AGROSTA®100 and the integrated software:

- Setting of the number of measurements by object (Fruit or other product) from 1 to 4. The device stores only the average for each product
- Storage capacity up to 75 batches of 99 fruits.
- You can name you batch with 6 characters
- Setting of the type of tip used
- Powered by two internal rechargeable batteries
- LCD screen - two lines with 16 very readable characters
- You can watch the results for each batch on the screen of the AGROSTA®100.
- Transfer to PC via USB under Excel compatible file. Batches and details of the measurements are directly accessible with Excel or any other software.
- Protection against projections.
- Low batteries detection.

DEVICE	Type	Measurements (mini-maxi)	COMMENTS
DUROFEL 25	Tomato  Cherry Plum Melon opened along the equatorial axis Grape	45 -80  30 - 80	Hard over 70 Soft below 60
DUROFEL 10	Apricot Peach Grape Kiwi	35 - 95	The indication 85 would correspond to the value 4,5 kg / 0,5 cm <sup>2</sup> of the typical penetrometre EFFE-GI.
DUROFEL 50	Strawberry	20 - 80	The fruit is destroyed