

AGROSTA®14

DIGITAL FIRMNESS TESTER

NEW ELECTRONIC PENETROMETER

The AGROSTA®14 replaces the standard Penefel after 15 years

**The AGROSTA®14 measures the firmness of crisp fruits, vegetables,
And of varied materials**



Patented – Made in France
Designed and manufactured by AGRO TECHNOLOGIE

- ✦ The AGROSTA®14 electronic penetrometer, with its automatic limitation of depth, measures the firmness of crisp fruits like apples, pears, peaches, avocados, bananas, but also pickles, diced potatoes or beets, meat, packaging and other products with a specific tip adapted for each product.
- ✦ You can watch the results immediately on the screen of the AGROSTA®14 – Indicating average, homogeneity of the batch, standard deviation etc... and transfer the measurements to a PC through USB under Excel compatible format
- ✦ Take your measurements one after each other – You don't need to validate, the AGROSTA®14 detects automatically the maximum pressure during penetration into the fruit, and registers it.

AGROSTA®14

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*The Agrosta®14 replaces the standard penefel integrating new functions and more precision
The following technologies are embedded :*

- Miniature electronics without heavy metals (2006 regulation)
- Data transfer via USB - High performance rechargeable batteries
- Practical design - Time stamped data for a better traceability
- Automated industrial production ...

<p>The AGROSTA®14 is an electronic dynamometer that measures the strength obtained by penetrating into fruits and vegetables with a normalized or specific tip.</p> <p>Its automatic depth limitation gives a very high precision.</p> <p>The device is portable, autonomous, and gives for each batch statistic data. Its electronic equipment registers the values of measurements one after each other for later transfer to a PC via USB. The AGROSTA®14 is able to measure (by changing the tip) varied products such as Fruits and vegetables, pickles, potato cubes, cheese, packaging resistance....</p> <p>For soft fruits, use our AGROSTA®100 http://www.agro-technology.co.uk/agrosta100.htm</p>	<p style="text-align: center;">Characteristics</p> <p><i>Range of the standard version :</i> <i>From 0.05 to 14 Kgs - precision +/- 40 gr (Can be configured in Lb)</i></p> <ul style="list-style-type: none"> - <i>Parameter setting of the number of measurements by object from 1 to 4</i> - <i>The device stores only the average of each object.</i> - <i>Automatic numbering of the batches from 01 to 75</i> - <i>Possibility of indicating the name of the batch on 6 characters</i> - <i>Selection of the type of tip used</i> - <i>Automatic recording of the measurements with a threshold of release of 10 bridges.</i> - <i>Power supplied by two internal batteries</i> - <i>2 lines LCD screen with 16 very readable characters</i> - <i>Memory capacity of 75 series from 1 to 99 Fruits / samples</i> - <i>Consultation of results by batch on the screen of the AGROSTA®14</i> - <i>Transfer to PC via USB under an Excel compatible file</i> - <i>Protection against projections</i> - <i>Detection of low battery and display</i> - <i>Can be used with a specific (provided) support or by hand</i> - <i>The threshold can be setted between 0.1 and 2 Kgs</i> <p style="text-align: center;"><i>Comparison table</i></p> <table border="1"> <thead> <tr> <th><i>Device</i></th> <th><i>MINI</i></th> <th><i>MAXI</i></th> <th><i>Résolution</i></th> <th><i>Precision</i></th> </tr> </thead> <tbody> <tr> <td><i>Hand penetrometer</i></td> <td><i>100 gr</i></td> <td><i>13 Kg</i></td> <td><i>100 gr</i></td> <td><i>+/- 200 gr</i></td> </tr> <tr> <td><i>Standard PENEFEL</i></td> <td><i>100 gr</i></td> <td><i>12,5 kg</i></td> <td><i>100 gr</i></td> <td><i>+/- 100 gr</i></td> </tr> <tr> <td><i>DFT 14</i></td> <td><i>50 gr</i></td> <td><i>14 kg</i></td> <td><i>10 gr</i></td> <td><i>+/- 40 gr</i></td> </tr> </tbody> </table>	<i>Device</i>	<i>MINI</i>	<i>MAXI</i>	<i>Résolution</i>	<i>Precision</i>	<i>Hand penetrometer</i>	<i>100 gr</i>	<i>13 Kg</i>	<i>100 gr</i>	<i>+/- 200 gr</i>	<i>Standard PENEFEL</i>	<i>100 gr</i>	<i>12,5 kg</i>	<i>100 gr</i>	<i>+/- 100 gr</i>	<i>DFT 14</i>	<i>50 gr</i>	<i>14 kg</i>	<i>10 gr</i>	<i>+/- 40 gr</i>
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*The DFT 14 can be adapted to any Measurement through penetration, pressure... for any industrial product
There are many "specific" types of PENEFEL – For example the DFT 15
Measures the firmness of udders of Cows in order to prevent diseases*

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