

Durofel DFT 100

DIGITAL FIRMNESS TESTER

New electronic durometer

The durofel DFT 100 succeeds the standard DUROFEL after 15 years of service.

**The durofel DFT 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 DFT100 for fruits and vegetables with its integrated automatic depth limitation allows to measure 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 shown on the screen of the DFT100 : Average and homogeneity of every batch, with the possibility to transfer the data on a PC via USB.**
- ✦ **Security of the results:**
No more manual seizure, the electronic equipment records the values of the measurements and permits to transfer them later on a PC via USB for a use under Excel.

AGRO TECHNOLOGIE

Zone Industrielle – 76440 FORGES LES EAUX - FRANCE

contact@agro-technologies.com - www.agro-technologies.com – Tel +33 6 83181720

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The durofel DFT 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 **DFT100** does not penetrate into products, it measures the superficial withdrawal under the effect of a force, as we make when we feel a product. The measure is thus **NON DESTRUCTIVE**.*

The device is portable, autonomous and gives immediately for every batch the average, the homogeneity, the coefficient of variation.

Its electronic equipment records the values of the measurements in order to transfer them later on a PC..

*The **DFT100** is adapted to soft fruits, such as cherry, peach , tomato, strawberry, kiwi, apricot, plum, grape and soft materials such as rubber, foams etc....*

For crisp or firm fruits such as apples, ask for our documentation on penefel DFT14

The DFT 100 can adapt itself to many types of products - contact us

Characteristics :

Extent and resolution of the measurements :
From 1 to 100 gd (a durofel graduation) -
Resolution 1 graduation - precision +/-1 graduation

Characteristics of the DFT100 and the integrated software:

- Setting of the number of measurements by object from 1 to 4. The device stores only the average for each product – Batches from 1 to 75.
- You can name you batch with 6 characters
- Setting of the type of tip used
- Powered by two internal rechargeable batteries – LCD screen of two lines with 16 very readable characters – Memory capacity 75 series of 1 to 99 fruits
- You can watch the results for each batch on the screen of the DFT100.
- Transfer on PC via USB and hyper terminal of Windows. Batches and details of the measurements are directly accessible with Excel or any other software.
- Protection against the projections.
- Low batteries detection.

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The DUROFEL can only be used on soft materials or fruits :

<i>DEVICE</i>	<i>Type</i>	<i>Measurements (mini-maxi)</i>	<i>COMMENTS</i>
<i>DUROFEL 25</i>	<i>Tomato Cherry Plum Melon opened along the equatorial axis Grape</i>	<i>45 - 80 30 - 80</i>	<i>Hard over 70 Soft below 60</i>
<i>DUROFEL 10</i>	<i>Apricot Peach Grape Kiwi</i>	<i>35 - 95</i>	<i>The indication 85 would correspond to the value 4,5 kg / 0,5 cm² of the typical penetrometre EFFE-GI.</i>
<i>DUROFEL 50</i>	<i>Strawberry</i>	<i>20 - 80</i>	<i>The fruit is destroyed</i>

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