

Penefel DFT 14

DIGITAL FIRMNESS TESTER

Penetrometer electronics

The pénéfel DFT 14 succeeds the standard PENEFEL after 15 years of service.

**The DFT 14 measures the firmness of fruits, vegetables,
and of different farm-produce and agro-industrial products, for only 1060 €.**



Mark and registered pattern.
Conceived and made by AGRO-TECHNOLOGIE.

- The electronic penetrometer for fruit and vegetables DFT14 with sounds automatic limiteur of depth was integrated, allows to measure the firmness of fruits crisp or firm as apples, pears, peaches, nectarines, lawyers, bananas but also, nitwits, cubes of potatoes or beet, cooked pork meats, cheese, packagings, different products etc. with a specific tip into every product.
- The immediate results allow to show in the screen of the DFT14 the average and the indication of homogeneity (CV) of every lot, with memorization for transfer on PC via USB.
- **Security of the results:**
More manual seizure, the electronic equipment allows to record the values of the measures and to transfer them later on desktop computer via USB for an exploitation under Excel.
- Possibility of adaptation to resolve particular problems.

AGRO-TECHNOLOGIE

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The penefel DFT 14 replaces the standard PENEFEL by integrating new features and more precision, He is endowed with the last technologies as:

Electronics miniature and without heavy metals (new European rule 2006)

Transfer of data via USB - Rechargeable batteries high performance

Design and practical and pleasant ergonomics - given horodatées for better traçabilité one

Automated industrial production ...

The DFT 14 is an electronic pénétromètre which measures the maximum force obtained by penetration of products with a normalized or specific tip.

His(her,its) AUTOMATIC LIMITATEUR OF DEPTH OF PENETRATION assures(insures) him(her) an ever equalled precision.

The device is portable, autonomous and posts(shows) immediately for every lot the average, the distance-type, and the coefficient of variation.

His(her,its) electronic equipment allows to record the values of the measures and to transfer them later on desktop computer via the port USB.

Le DFT 14 can measure (by changing tip) products very different as: Les fruits and vegetables, the nitwits, the cubes of potato or beet, the cooked pork meats, the cheese, the resistance of packagings etc. ...

For the sorts with supple(flexible) fruits such as tomato, strawberry, kiwi, cherry, apricot, fishes to ask for our documentation DUROFEL.

The DFT14 can adapt itself to any types of products for measures of penetration, destruction, strain or lifting with the version " SPECIFIC DFT 14 ".

Characteristics.

Area and resolution of the measures:

From 0.05 to 14 kg - resolution 10 gr - precision +/-20 gr.

Peculiarities of the DFT 14 and the integrated software:

- sensor integrated into the collector of données.- parameter setting of the number of measures by object of 1 in 4. l'appareil device remembers only the average of the automatic objet.-numbering of the lots of 01 in 75.
- possibility of indicating the code of the lot on 6 caractères.
- parameter setting of the type of tip utilisé.-tip of measure interchangeable.
- 2 modes of recording of the measures: Automatic recording (for firmnesses > in 0.8 kg); the minimum threshold of release of the measure is customizable from 0,1 to 2 kg.

- Manual validation (for weak firmnesses) to avoid the inconvenient validation due to the manipulation of the appareil.

- food by means of two internal batteries(drum kits) screen LCD of two lines of 16 very legible characters capacity memory 75 series / prizes from 1 to 99 fruits / échantillons
- consultation of the results by lot in the screen of the DFT 14.

- transfer on PC via USB and hiper air terminal of Windows. lots as well as detail of the measures are directly accessible with Excel or a software of the same type.

- protection against the projections.
- detection of weak battery(drum kit) and affichage.

Use with the support of table (drill stand) or manually.

- Comparative picture.

Device	MINI	MAXI	Résolution	Précision
Penetrometer mécanique	100 gr	13 Kg	100 gr	+/- 200 gr
PENEFEL standard	100 gr	12,5 kg	100 gr	+/- 100 gr
DFT 14	10 gr	14 kg	10 gr	+/- 20 gr

Price: 1060 € HT (More costs of transport and insurances.)

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