



Fruit Firmness Tester



German
Manufactured



Highest
Accuracy and
Repeatability



Industry
Certified



Complete
Calibration
Solution



Free Proof of
Concept



Custom
Turnkey
Solution
Availability



Videos:

<https://www.youtube.com/watch?v=JXXSm11BaE0>

Description:

This German manufactured fruit firmness and fruit hardness testing device is designed specification for the determination of the pulp hardness of a given fruit. Additionally, the system is fully capable of testing the firmness of vegetables, meat and even fish thanks to the interchangeable indenters. This state-of-the-art device is invaluable for trading companies serious about their quality control procedures. The unit helps identify the harvest date of the specific fruits relative to the time of transpirations and storage.

A unique value of the tester is that it is a non-destructive test method to determine the ripeness of fruit, vegetables and other food products.

The tester provides important quality control information designed for quality control and price setting benefiting both the seller and the end-user. The system is famous for its ability of using the portable fruit hardness tester for both indoor and outdoor workplace conditions.





The fruit hardness tester can be used on the following:



Kohlrabi



Cucumber



Carrot



Radish



Asian Pear



Papaya



Apple



Mango



Pear



Mandarin
Orange



Tangerine



Potato



Banana



Fish



Peach



Plum



Apricot



Cherry



Melon



Tomato



Grape



Blueberry



Strawberry



Watermelon



Broccoli



Tofu



Meat

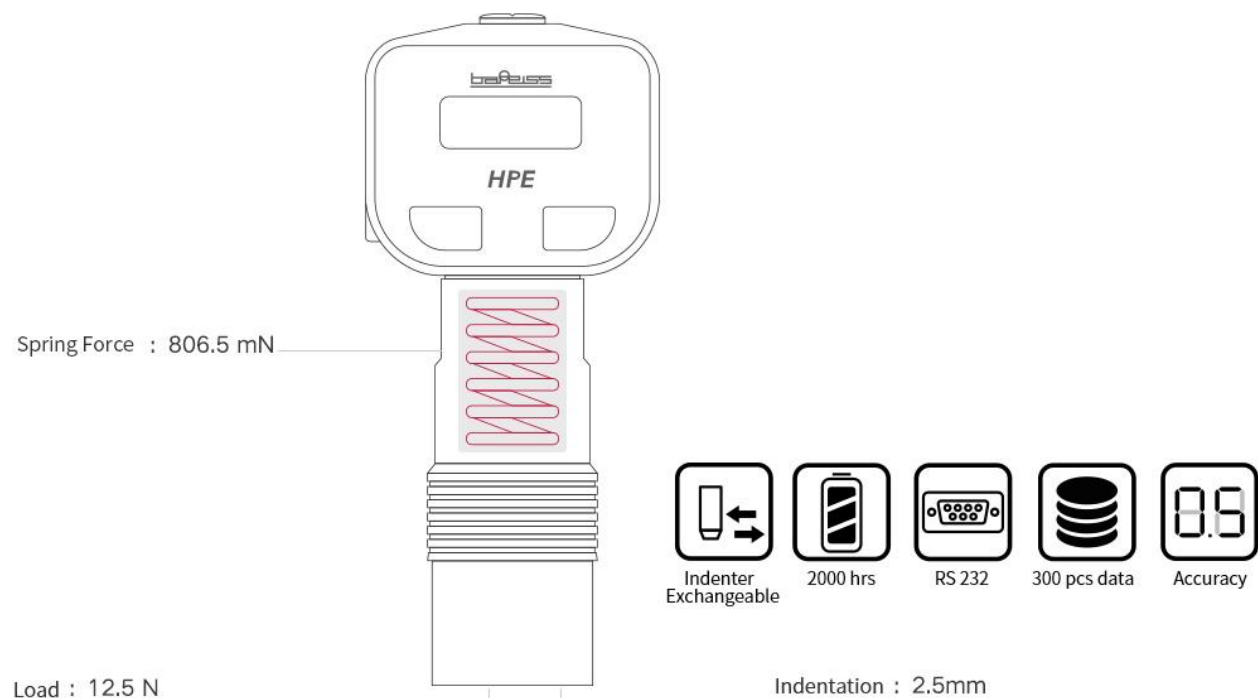


Avocado



Testing Method:

When performing a fruit firmness test, the operator measures the opposite sides of each fruit, vegetable or other food products for the purpose of identifying the firmness value on both the sun-side and the shadow-side. By applying a constant pressure on the fruit over a defined measuring time, the system indicates the hardness value of the specific product. The major benefit of this non-destructive test is that the fruit firmness tester does not penetrate the peel of the tested food product.



Standard Configurations:

- ✓ Fruit firmness tester – main unit
- ✓ Designated test anvil
- ✓ Charger
- ✓ Foam-fitted Case



Features:

- ✓ German manufactured
- ✓ Ergonomic and portable design
- ✓ Interchangeable anvils designed to test fruits, vegetables, meat, and fish
- ✓ The system comes standard with 1 anvil with additionally anvils which can be purchased at a later time.

Anvil Specifications:

Indenter Size	Fruit or Vegetable
zyl 0,1 cm ²	for peaches, apricots and plums
zyl 0,25 cm ²	for cherries, melons, tomatoes, blueberries, grapes, eggplant
zyl 0,50 cm ²	or strawberries, water melons, broccoli, meat, tofu
Ø 5,0 mm	ball for avocados, papayas, apples, mangoes, cucumber, pepper, pears, oranges and citrus fruits, onions (soft)
Ø 2,5 mm	ball for kohlrabi, carrots, cucumber, radish, courgette, onion (firm)
radius 6,35 mm	for boiled potatoes, bananas, smoked fish, boiled beetroot

Technical Specifications:

Model	Fruit Firmness Tester
Measuring Range	0-100 Empirical Units for Comparison
Battery Life	200 Hours
Memory	300 Readings
Output	RS232
Dimensions (L x W x H)	7.5 x 2.75 x 1.58" 190 x 70 x 40 mm
Weight	1.3 lbs / 0.6kg



Accessories:

Calibration Device Check for the HPE (Fruit Firmness Tester Units)

The calibration device is supplied in accordance with ISO 9000 standard. The system is checked for accuracy of Shore hardness testers via spring force control by intervals of ten for the measuring ranges Shore A/B/0/C/D/DO and L, L/c. DIN 53 505, EN ISO 868, NF EN ISO 868, ASTM D2240, JIS K 6253.



Full Scope of Test Anvils for the Fruit Firmness Tester

The unit can be equipped with any one of the following test anvils for your fruit, vegetables, meat and fish firmness testing including:

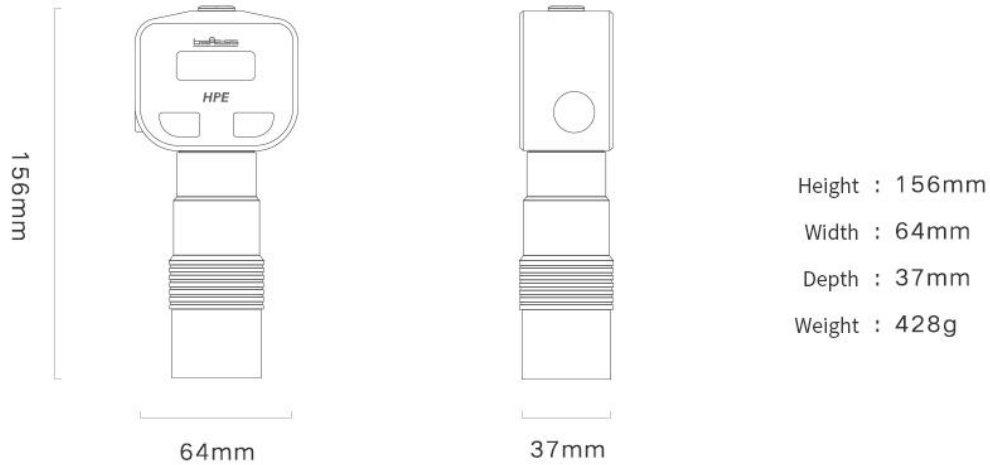
- ✓ cm² for peaches, apricots and plums
- ✓ 0.25 cm² for cherries and tomatoes test anvil
- ✓ 0.50 cm² for strawberries Taster Kugel
- ✓ Ø 5 mm for apples and avocados Taster Kugel
- ✓ Ø 2.5 mm for carrots, cucumbers, radish, kohlrabi and melons





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