

# HPE III FFF

EN

Pulp-  
firm-  
ness

Digital handheld hardness tester with exchangeable indenters for non-destructive testing of the firmness of fruit and vegetables.



The firmness of the pulp is a trustworthy indicator for the degree of ripeness a fruit presents and it allows for conclusions to be drawn about its freshness, storage and transport capacity. With the digital handheld hardness tester HPE III Fff, you can assess the firmness of fruit and vegetables in a non-destructive manner, without peeling or cutting them. The fruits remain suitable for consumption even after the testing.

The hardness tester can be variably equipped with different indenters and therefore adapted to the state of the fruit and vegetable varieties. The handle with integrated compression sleeve supports the adequate positioning and pressing of the measuring device. The HPE III Fff begins the measuring automatically, announcing the conclusion of the measuring time with an acoustic signal and showing the determined hardness on its display. Up to 300 measured values can be saved and exported via the RS-232 / USB interface.

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## MAIN CHARACTERISTICS



### TECHNICAL SPECIFICATIONS

 **Measurements** W x D x H: 68 x 51 x 157 mm

 **Weight** approx. 300 g

### PACKING UNIT WITH CASE

 **Weight** approx. 700 g

### SCOPE OF DELIVERY

HPE III Fff handheld hardness tester

Lithium-ion battery

RS-232/USB data and charging cable

Transport Case

One push button of your choice

Operating manual

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## ACCESSORIES



### Automatic test stand, type BSA

The automatic test stand guarantees the standard-compliant lowering and the precise 90° support of the handheld hardness tester.



### „Hardtest“ software

The software controls the hardness and hysteresis measurement processes undertaken with Bareiss testing devices.



### Manual test stand, type BS 61

The test stand with manual lowering guarantees the precise 90° support of the handheld hardness tester.



### Push button

6 sets with different indenters for various types of fruit, incl. pressure plate available.



### Spring force control device Shore A/ Shore D

The control device can be used to check the spring force of the handheld hardness tester.

### REFERENCE

As an alternative to the manual hardness measuring with the handheld hardness tester HPE III Fff, you can assess the pulp firmness of various fruit and vegetable varieties with our modular digital measuring device digi test II, which is fully automated and requires the least possible operator influence.

### Facility calibration certificate

MADE IN GERMANY SINCE 1954.

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Deutsche  
Akkreditierungsstelle  
D-K-15206-01-00

The accreditation is valid for the scope listed in certificate D-K-15206-01-00 (mechanical measurands in the range of hardness).