



TABLET HARDNESS TESTER

TBH 125

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TBH 125

TABLET HARDNESS TESTER

The TBH 125 is the ERWEKA basic device for testing tablet hardness (dual-mode: “constant speed” and “constant force”), offering accuracy, robust design as well as easy and quick handling. The unit is operated via a symbol keypad which allows effortless entering of the samples number required for testing.

Up to three physical parameters (hardness, diameter/length and thickness) can be tested. The test results (including date/time) are shown on two bright LED displays and can be printed out via the standard USB printer interface. The TBH 125 can be calibrated either statically with weight stones or dynamically with AutoCal 2.0 (3-point-calibration; menu guided). In addition, the unit generates a calibration print-out outlining individual calibration data and further information (service date and time, serial number).

The integrated menu allows easy, precise setting of the measuring mode including breaking speed/force increase rate, time/date, sensitivity of the hardness measurement and breaks between the tests to remove dust and debris.



THE TBH 125 IN DETAIL



Front view



Interface



Tablet testing

THE NEXT GENERATION OF MULTICHECK

KEY FEATURES

**HARDNESS TESTING**

Measuring range from 3 to 300 Newton

**WIDTH MEASUREMENT**

Test samples with a diameter of up to 28 mm

**USB INTERFACES**

USB-A printer interface for documentation of time, date, results and statistics with specified printers; USB-B interface for firmware updates

**100% USP / EP / JP COMPLIANT**

Like all ERWEKA products, the TBH 125 is 100% USP / EP / JP compliant

**VARIOUS MEASURING UNITS**

Measuring units in Newton, Strong Cobb and Kilopond

**TABLET TESTING**

Test results (including date/time) are shown on two bright LED displays.

TBH 125 tablet test station

AUTOMATIC CALIBRATION TOOL

AUTOCAL 2.0

The ERWEKA AutoCal 2.0 system is a calibration tool for the automated calibration of the hardness tester station - without weights, external PC and software.

Calibration has never been so easy: The AutoCal 2.0 USB stick is plugged into the USB port of the TBH x25 and the connected certified load cell is inserted into the hardness testing station.



AutoCal calibration setup

The entire system (adjustment and calibration) is now carried out via the hardness tester's keypad and display. The device performs the adjustment automatically and the calibration can be checked for linearity by checking up to three points within the measuring range.

In addition, a documentation report can be created via the standard printer interface.

TBH 125

TECHNICAL DATA

Weight	6 kg
Dimensions (H x W x D)	160 x 310 x 300 mm
Voltage	100 - 240 V $\pm$ 10% / 50 - 60 Hz / 100 W
Interfaces	USB-A for printer, USB-B for firmware updates
Hardness range	10 - 300 N (extended: 10 - 500 N $\pm$ 1 N)
Diameter/length/thickness range	0.9 - 28.0 mm ($\pm$ 0.05 mm)
Constant speed	0.5 - 3.1 mm/sec.
Constant force	10 - 200 N/sec.
Calibration	Weights (statistic calibration) Optional: AutoCal 2.0 (dynamic calibration)

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DOWNLOADS

PRODUCT DATA SHEET TBH 125 →
English PDF (~1 MB)

TBH 125 →
English PDF (~1 MB)

TBH 125 INTRODUCTION →
English video (~18 MB)



TBH 125
Easy, manual 3-parameter testing

TBH 125

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