

The compact  
**TBH 125**

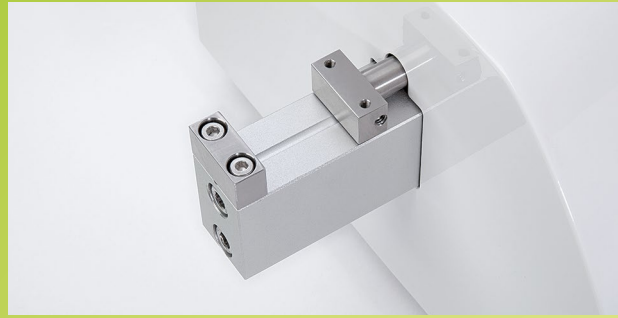
Easy entry in the world of manual hardness testing



**ERWEKA**

# Overview

The ERWEKA TBH 125 tablet hardness tester is the ERWEKA entry-level tablet hardness and combination tester. The device is perfectly suited for quick and manual testing of up to 99 samples. Depending on the device model, automatic measurement can be taken for tablet hardness and thickness (optional), diameter (for round tablets) or length (for oblongs). The integrated electronic measurement cell ensures highest accuracy for precise measurement results. Due to the USB printer interface the results can be printed directly.



A ridge ensures the correct alignment of samples.



**100% USP/EP/JP compliant**



**Setting of test speed (0.5 - 3.1 mm/sec.)**



**Adjustment of force increase  
(10 - 200 N/sec.)**



**Different measuring units:  
Newton, Strong Cobb and Kilopond**



**Collection container for broken samples**

## Options

- + Diameter measurement up to 25 mm, accuracy  $\pm 0.05$  mm
- + Thickness measurement up to 25 mm, accuracy  $\pm 0.05$  mm
- + Extended measuring range 10 bis 500 N, accuracy  $\pm 1$  N
- + AutoCal 2.0 system - automated tool for calibrating the hardness test without weight

## Test station

The TBH 125 measures the hardness of samples in a range of 3 – 500 Newton with two selectable measuring modes: „Constant Speed“ or „Constant Force“.



## Automatic calibration with the ERWEKA AutoCal 2.0

By using the AutoCal 2.0 the calibration of the hardness tester TBH 125 can be carried out completely electronically and without any weights. In addition, the unit generates a calibration print-out outlining individual calibration data and further information (service date and time, serial number).

# 3 Parameters:



Thickness



Diameter/Length



Hardness



## Easy operable LED display

The test results (including date/time) are displayed on two LED screens in the following units: Newton (N), Kilopond (KP) or in Strong Cobb (SC).

## USB Printer Interface

The TBH 125 features a USB-A interface for connecting selected printers. Via a USB-B interface firmware updates can be performed.

## Symbol Keypad

The device provides diverse setting options and can be easily operated via a symbol keypad.

## Technical Specifications

Measurement Range	
Hardness	10 - 300 N
Extended measuring range Hardness*	10 - 500 N ( $\pm 1$ N)
Diameter/Length/ Thickness	0,9 - 25,0 mm ( $\pm 0.05$ mm)
Measurement Principles	
Constant Speed	0,5 - 3,1 mm/sec.
Constant Force	10 - 200 N/sec.
Appliance details	
Power	100 - 240 V $\pm 10\%$ / 50 - 60 Hz / 100 W
Width / depth / height	310 mm / 300 mm / 160 mm
Weight	6 kg
Connectivity	USB-A for printer, USB-B for firmware updates
Calibration	Weights (statistic calibration), Optional: AutoCal 2.0 (dynamic calibration)



TBH 125 with collection container

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Technical specifications of products described are stated without warranty and subject to change at any time without further notice.  
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