



TABLET COMBINATION TESTER EASYCHECK

**EASY AND FULLY AUTOMATIC TESTING
FOR UP TO 5 PARAMETERS**

FULLY AUTOMATIC HARDNESS TESTING

AS EASY AS NEVER BEFORE

Tablet hardness testing is essential for pharmaceutical quality control, ensuring tablets meet strict standards for strength, uniformity, and patient safety. Accurate measurement of key parameters such as hardness, thickness, diameter, and weight is critical for consistent product quality and regulatory compliance. The ERWEKA EasyCheck streamlines this process with a compact, fully automated solution designed for efficient routine testing. As an entry-level combination tester, it measures up to five parameters in a single workflow, helping laboratories save time, reduce manual errors, and increase throughput. The EasyCheck automatically weighs samples using its integrated weighing cell, eliminating manual handling. Its patented Oblong Slider® aligns tablets precisely, ensuring consistent and reliable results for different tablet shapes. An intuitive touchscreen interface allows users to quickly configure and store up to 100 products, methods and users, simplifying daily operation. With its strong focus on automation, precision, and ease of use, the EasyCheck provides a reliable and efficient entry into fully automated tablet hardness testing, helping you streamline quality control while maintaining the highest standards.

Integrated weight measurement

An integrated weighing cell automatically determines the tablet weight with maximum accuracy and attributes it to individual samples.

Integrated spirit level

The integrated spirit level is used for accurate alignment of the EasyCheck system on the laboratory workbench.

Acrylic cover

An acrylic cover protects the entire rotary magazine, excluding external effects on the test.





Oblong Slider®

The slider technology perfectly aligns evenly shaped oblongs for easy determination of width, length and tablet hardness.



Width measurement



Length measurement

Star-shaped rotary magazine

A star-shaped rotary magazine made of stainless steel and aluminium provides 20 test positions for samples and enables full visual inspection of the test processes at all times.

Touch display

The intuitive color touchscreen enables easy operation and allows users to store up to 100 products or testing methods. It also includes flexible user management with configurable permissions for up to 100 users, ensuring clear access control and efficient workflow management.

Data export & MC.NET software connection

EasyCheck stores up to 1 million test results and enables optional export in CSV or XML formats via LAN for seamless data handling and integration. In combination with the MC.NET software, full Audit Trail functionality is provided, thereby ensuring compliance with 21 CFR Part 11.

5 PARAMETERS



Weight



Thickness



Width



Diameter / Length



Hardness

BENEFITS OF THE 7" COLOUR TOUCH DISPLAY

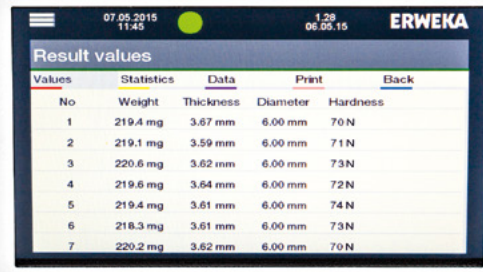
- | Clearly arranged start screen providing access to stored products, measurements and a direct measurement function
- | Live display of the test result on screen
- | Extensive calibration and adjustment capabilities with extensive documentation
- | Red-yellow-green display for immediate recognition of the calibration status
- | Memory capacity for up to 100 products/methods
- | USB A/B interfaces for printer, software update and external keyboard
- | LAN interface (RJ 45) for integration into corporate network and data export in CSV and XML format (optional)
- | SD card for backup and transfer of product data, methods or settings to other units
- | Memory for up to 1 million test results

INTUITIVE OPERATION

BROAD FEATURE SET

EASYCHECK TOUCH DISPLAY

When developing the EasyCheck touchscreen interface, we focused on what matters most to users: simple setup, quick test execution, and clear documentation of results. The intuitive color display allows users to operate and control even complex functions with ease, ensuring a smooth and efficient workflow. Measurements can be started, monitored, and reviewed in just a few steps. For added convenience, the system supports external USB keyboards, making data entry, such as creating new products, faster and more comfortable directly on the device.



Result values				
Values	Statistics	Data	Print	Back
No	Weight	Thickness	Diameter	Hardness
1	219.4 mg	3.67 mm	6.00 mm	70 N
2	219.1 mg	3.59 mm	6.00 mm	71 N
3	220.6 mg	3.62 mm	6.00 mm	73 N
4	219.6 mg	3.64 mm	6.00 mm	72 N
5	219.4 mg	3.61 mm	6.00 mm	74 N
6	218.3 mg	3.61 mm	6.00 mm	73 N
7	220.2 mg	3.62 mm	6.00 mm	70 N

STORAGE OF TEST RESULTS!

The system stores up to 100 products or testing methods as standard and offers a large data memory with capacity for up to 1 million test results. This allows users to quickly access and review historical data whenever needed, supporting full traceability and efficient data handling.

In addition, the EasyCheck features integrated calibration functions and ensures consistently precise measurements. Combined with comprehensive documentation of all processes, it delivers a high level of user convenience while maintaining reliable and robust functionality.

EASY NETWORKING

USER-FRIENDLY SOFTWARE



AUTOCAL 2.0

The certified AutoCal 2.0 system is an electronic calibration device designed specifically for the EasyCheck's integrated tablet hardness measurement system. Eliminating the need for external weights, it connects directly to the EasyCheck via USB, enabling fast and straightforward calibration. AutoCal 2.0 supports both adjustment and calibration procedures, either in combination with the MC.NET software or via the calibration functions integrated into the EasyCheck touchscreen. This ensures reliable, accurate results while simplifying routine calibration and minimizing user effort.

MC.NET TABLET HARDNESS SOFTWARE

MC.NET is the ideal extension for ERWEKA tablet hardness testers, adding powerful data management and compliance capabilities. The Windows-based software enables full external control of connected devices and secure storage of an unlimited number of test results in a SQL database. MC.NET includes integrated Audit Trail functionality in accordance with 21 CFR Part 11, along with structured user management to ensure data integrity and traceability across all testing processes.

Exclusive MC.NET feature:

- | Hardness curve visualization for detailed analysis of tablet breaking behavior



AutoCal 2.0 for automatic adjustment/calibration of the tablet hardness measuring system.

RELIABLE MEASUREMENTS

INNOVATIVE FEATURES & FUNCTIONS

MEASUREMENT FUNCTIONS

- | Fully automatic testing for 4 or 5 tablet parameters
- | 100 % USP/EP/JP compliant
- | Selectable hardness measurement modes: Constant speed or constant force increase
- | Measurement in Newton, Strong Cobb or kp
- | Values adjustable in mm, inch, mg or g

TECHNICAL DATA:

Measurement range: Hardness	3 - 500 N (± 1 N) (optional 3 - 1000 N)
Measurement range: Diameter/Length & Width	0.5 - 30 mm (± 0.05 mm)
Measurement range: Thickness	Linear potentiometer 0.5 - 10 mm (± 0.05 mm)
Measurement range: Weight	3,0 mg - 89 g (± 0.1 mg)
Measurement principle: constant speed	0.1 - 3.0 mm / sec (default 2.3 mm / sec)
Measurement principle: constant force	10 - 100 N / sec
Device control	7 inch touch display, with support for USB keyboards
Interfaces	1x USB-A, 1x USB-B, 1x SD card, 1x RJ45
Power supply	110 - 240 V / 50 - 60 hz
Fuses	2x 3.15 A
Protection class	I
Protection type	IP 21
Weight	30 kg
Dimensions (W x H x D)	360 mm (422 mm with collection container) / 321 mm (bzw. 646 mm with open acrylic cover) / 467 mm

FEATURES

- | Colour touch display
- | Star-shaped rotary magazine for 20 samples (100 samples sequentially in one test run), providing full visual control over the test process
- | Precise weight measurement with integrated load cell
- | Oblong Slider® - new slider technology for perfect alignment of evenly shaped oblongs at the width, length and hardness measurement station (EasyCheck Pro only)
- | Acrylic cover to protect measuring stations and samples
- | Easy removal of rotary magazine for cleaning
- | Collection container with splash guard
- | Optional connection to MC.NET software



CUSTOMER-ORIENTED

FLEXIBLE CONFIGURATION

CONFIGURATION VARIANTS

	EasyCheck Basic	EasyCheck Pro
Main application	Round tablets, evenly shaped oblongs	Round tablets, evenly shaped oblongs
Measurement values	4 parameters Weight, thickness, diameter, hardness	5 parameters Weight, thickness, diameter/length, width, hardness
Touch display	✓	✓
Oblong Slider®	—	✓
Memory for up to 1 million test results	✓	✓
Audit Trail	with MC.NET	with MC.NET
Data export in CSV and XML format	optional	optional

EasyCheck is offered in two configuration variants: „Basic“ and „Pro“. Both variants are fully focused on our customers' requirements. EasyCheck Basic enables testing of round tablets, determining the weight, thickness, diameter and hardness of the tablets and attributing these values to a specific tablet. EasyCheck Pro is suitable for testing round tablets as well as evenly shaped oblongs, additionally offering the capability to measure length. Our sales team will be pleased to discuss the configuration best suited to your laboratory.

CUSTOMIZABLE TO SUIT YOUR REQUIREMENTS

In addition to the two equipment variants described above, your EasyCheck can be adapted to your specific requirements. Our products are backed by a full range of installation, calibration and qualification services – ERWEKA standards right up to your doorstep.

Options

- | 1000 N extended hardness measurement range
- | Result memory for up to 1 million test results
- | Data export in CSV and XML format
- | PC with MC.NET software connection
- | Printer
- | AutoCal 2.0 for automatic calibration of the hardness tester without test weights
- | Customization of export data
- | Customized base plate with slot for stabilizing the position of oblongs in the tablet hardness chamber (only in conjunction with EasyCheck Basic)

Our service portfolio

- | Initial installation of EasyCheck
- | Installation of MC.NET software
- | Qualification documents (IQ/OQ/PQ)
- | ERWEKA IQ/OQ/PQ service on-site
- | Maintenance
- | User training for EasyCheck and MC.NET

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