



MULTICHECK 6 - A TRUE ALLROUNDER

**THE MULTICHECK 6 - FULLY AUTOMATED
TABLET COMBINATION TESTING**

BE PART OF THE SUCCESS STORY!

THIS IS MULTICHECK 6

The MultiCheck 6 offers ease of operation, maximum efficiency and enhanced operator convenience. This fully automatic combination tester is packed with innovative technology: An intuitive touch display, the integrated functionality of the MC.NET software, the capsule weight measurement system and the patented Oblong Navigator® are only some of the innovative features. In addition, the MultiCheck 6 provides an unsurpassed low noise level and cleanest operation in its class. Proven features have been retained: MultiCheck 6 can test up to five tablet parameters - fully automated and 100% compliant with all pharmacopoeias around the world: A true allrounder.

WEIGHT

| Weight is determined automatically by means of an integrated high-precision balance.

THICKNESS

| Thickness is measured with the help of a linear potentiometer.

DIAMETER / LENGTH

| Diameter/Length is measured by means of a stepping motor.

WIDTH

| The Oblong Navigator® measures the width of even and odd-shaped oblongs as well as other odd-shaped tablets

HARDNESS TESTING

| Hardness can be measured using either the „Constant Force“ or the „Constant Speed“ measuring principle.



Oblong Navigator®

This patented turntable technology enables odd-shaped tablets to be aligned correctly and easily checked for diameter, width and length.



Capsule weight measurement

Equipped with an advanced capsule weight measurement system, the MultiCheck 6 precisely determines capsule weight and automatically subtracts the tare weight of the empty capsule from the filled capsule. Immediate ejection following measurement accelerates the overall testing process.

Electrical alignment threshold

The alignment threshold ensures tablets are correctly oriented, preventing improper positioning during transport - such as tablets standing on edge.

Touch display

An intuitive touch display allows for easy operation of the unit.

Direct measurement

Via the direct measurement menu, tests can be started quickly with results immediately stored.

5 PARAMETERS



Weight



Thickness



Width



Diameter / Length



Hardness



BENEFITS OF THE 7" COLOUR TOUCH DISPLAY

- | Clearly structured home screen with direct access to measurements
- | Direct display of test results on the screen
- | Quick execution of measurements with direct measurement menu
- | Detailed documentation of tests and display of calibrations and performed calibrations
- | Extensive calibration and adjustment capabilities
- | Red-yellow-green display for immediate recognition of the need for calibration
- | Easy integration of MultiCheck 6 into an existing network via Ethernet connection (RJ45)
- | Memory for up to 100 products / methods and 1 million test results
- | USB A printer interface
- | Data export in CSV and XML format
- | Audit Trail Light (Data export)



CONVENIENT OPERATION

BROAD FEATURE SET

MULTICHECK 6 TOUCH DISPLAY

In the development of the MultiCheck 6 touch display we focused on the features which users find most important: Easy setup, start and documentation of test methods. The highly intuitive touch display enables the unit's complex functions to be operated and controlled with maximum ease of operation. Measurements can be launched and displayed quickly and easily. For convenient data input (e.g. in order to create new products) the unit also offers support for USB keyboards – which significantly facilitates data management directly from the device itself.

STORAGE OF TEST RESULTS!

By default, the unit stores 100 products/methods and has a product memory that can hold up to 1 million test results – enabling results from earlier tests to be recalled whenever required.

In addition, extensive integrated calibration functions and the Audit Trail Light feature (logging What, Who, When) ensures that you have access to precise test results and extensive documentation of all working steps - highest user convenience combined with powerful functionality.

FEATURE OVERVIEW

MULTICHECK 6



The Oblong Navigator® with patented turntable ensures correct tablet alignment even in case of odd-shaped oblongs and tablets.



High-grade thickness measuring system for precise measurement.

MEASUREMENT FUNCTIONS

- | Fully automatic testing of tablets for up to 5 parameters
- | 100% USP/EP/JP compliant
- | Constant force und constant speed method selectable
- | Measurement in Newton, Strong Cobb, Kilopond and lbf units
- | Values adjustable in mm, inch, mg or g

FEATURES

- | Integrated data memory for recalling the data of previously tested samples
- | Separation drum, with photocell for verification of tablet separation
- | Fixed or adjustable alignment threshold
- | Integrated capsule weight measurement
- | Oblong Navigator® – patented turntable technology for perfect alignment of oblongs
- | Linear transport of the tablet to the individual test stations enables the permanent visual inspection of the testing procedure
- | Automatic cleaning of transport path and test jaws
- | Ethernet port for integration into existing networks
- | LAN, USB A, USB B and SD-Card slot
- | Memory for up to 100 products / methods
- | Data transfer by LAN in CSV file format
- | Backup using USB & SD-Card
- | Optional MC.NET Software: Audit trail according to FDA 21 CFR Part 11

FEATURES EXCLUSIVE WITH MC.NET

- | Hardness curve

CUSTOMER-ORIENTED

FLEXIBLE CONFIGURATION

CONFIGURATION VARIANTS

	MultiCheck 6 Standard	MultiCheck 6 Allrounder
Main application	Round tablets, dragées, evenly shaped oblongs	Round tablets, dragées, evenly shaped oblongs, odd-shaped oblongs
Measurement values	4 parameters Weight, thickness, diameter, hardness	5 parameters Weight, thickness, diameter/length, width, hardness
Touch display	✓	✓
Separation drum / vibrating separation system	✓	✓
Capsule measurement	✓	✓
Alignment threshold (fixed)	—	—
Alignment threshold (electronic, adjustable)	✓	✓
Slot for oblongs	✓	not required
Positioning arm for oblongs	✓	✓
Oblong Navigator®	—	✓

MultiCheck 6 is offered in two configuration variants: „Standard“ and as „Allrounder“ with Oblong Navaigator®. The two variants are fully focused on our customers' requirements. MultiCheck 6 „Standard“ enables testing of round tablets. The MultiCheck 6 „Allrounder“ is designed for testing round tablets, dragées and evenly shaped oblongs and tablets. These features are further extended with the ability to perform measurements on odd-shaped oblongs and tablets as well as the fifth parameter width measurement. We will be pleased to consult you as to which of these variants is best suited for your laboratory.

OUR SERVICE PORTFOLIO

- | Installation of MC.NET software on customer PC
- | Initial setup of MultiCheck 6
- | Qualification documents (IQ/OQ/PV)
- | ERWEKA on-site IQ/OQ/PV service
- | Maintenance service



CUSTOMIZABLE TO SUIT YOUR REQUIREMENTS

MULTICHECK 6 OPTIONS

In addition to the three equipment variants, MultiCheck 6 can be customized to specific requirements.

Additionally, a comprehensive portfolio of services is available to support installation, calibration, and system qualification. This ensures that the MultiCheck 6 upholds the proven ERWEKA standard—not only in technology, but also in service.

TECHNICAL DATA:

Parameters	Weight, thickness, width, length / diameter, hardness
Measurement range: Hardness	3 - 500 N (± 1 N) (optional 3 - 1000 N) Readability: 1 N
Measurement range: Diameter/Length & Width	0.5 - 30 mm (± 0.05 mm) Readability: 0.01 mm
Measurement range: Thickness	0.5 - 10 mm (± 0.05 mm) Readability: 0.01 mm
Measurement range: Weight	Sartorius Entris II BCE124I-1S (default) 0.16 g - 120 g (± 0.1 mg) Readability: 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
Test volume	Max. 100 samples, with magazine option 12 x 100
Device control	7" touch display
Units	Hardness: N, Sc, kp, lbf Diameter / Length, Width, Thickness: mm, in Weight: g, mg

OPTIONS

- | 12-chamber magazine for testing of large batches
- | Extended hardness measurement range of up to 1000 N
- | PC with MC.NET software
- | Printer
- | AutoCal 2.0 system for automatic calibration of the hardness tester without weights
- | Dragée holder („Allrounder“ versions only)
- | Sartorius OCE weighing system, suitable for trade weighing certification)
- | Customized data export

Method & product management	100 products & methods Evaluation T1 / T2 / T3 or min / max
User management	100 users
Interfaces	1x USB-A, 1x USB-B, 1x SD card, 1x RJ-45
Power supply	110 - 240 V / 50-60 hz
Fuses	2 x 3.15 A
Protection class	II
Protection type	IP 21
Ambient temperature during operation	+10 to +30 °C
Storage & transport temperature	-10 to +55 °C
Relative humidity	25 - 80% non condensing
Weight	50 kg
Dimensions (W x H x D)	627 (with waste container & balance) x 613 x 643 mm

ERWEKA GmbH

Pittlerstraße 45
63225 Langen
Germany

Phone: +49 6103 92426-200

sales@erweka.com www.erweka.com

VERDER

VERDER SCIENTIFIC

ENABLING PROGRESS.

Under the roof of VERDER SCIENTIFIC we support thousands of customers worldwide in realizing the ambition we share.

As their technology partner behind the scenes, we deliver the solutions they need to make progress and to improve the everyday lives of countless people. Together, we make the world a healthier, safer and more sustainable place.

