



DR. SCHLEUNIGER®
PHARMATRON

Tablet Hardness Tester 8M



Easy to use

Accurate measuring of thickness, diameter and hardness

Precise tablet positioning

Flexible extension capability

Data handling with Windows™ Software



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8M – The continuation of a successful story

The introduction of the model 8M continues and extends the successful line of manually operated Dr. SCHLEUNIGER® Pharmatron tablet hardness testers. The new 8M is capable of measuring sample thickness, diameter and hardness.



The tablets are inserted manually, one after the other, into the unit. Sample shapes and forms, which cannot be accommodated by automatic machines, are ideally suited for testing with the 8M.

The same special jaws sets designed for odd shaped tablets in the 2E, 4M and 6D models can also be used in the 8M.

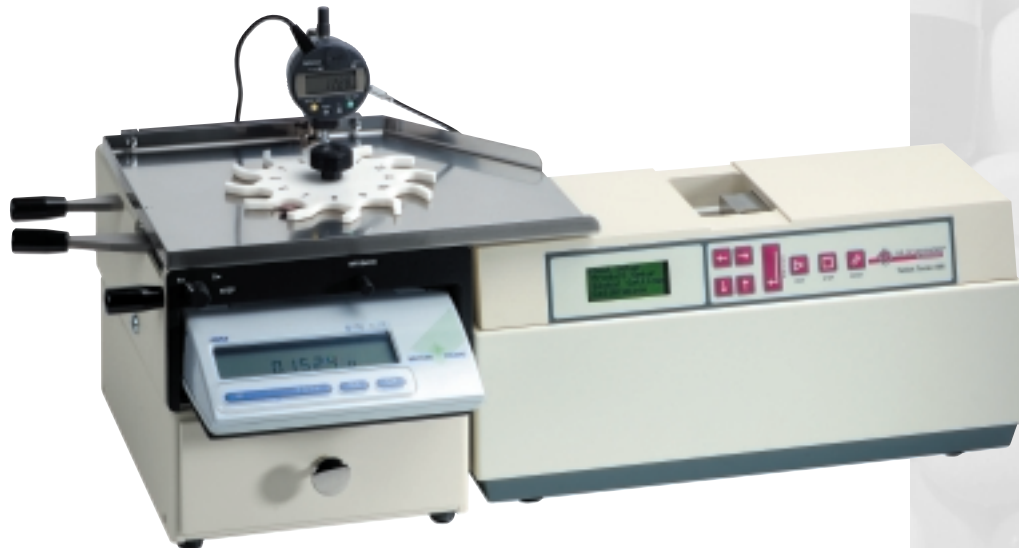
A comprehensive test report is generated automatically as soon as the desired number of samples has been successfully tested. The report shows the 8M serial number, calibration and verification dates, product and test definitions, summary statistical data, and individual measurement data.



The functionality of the 8M can be extended by attaching an external thickness gauge and analytical balance. In addition, the tester has connections for an external keyboard and printer. The system can be integrated with other devices and data collection systems via an RS232C or CAN-bus interface.

Software

The 8M is controlled by user-friendly, internal firmware. Data collection and analysis and system control can be enhanced using TabStat 2000 Windows™ software. Easy to use data export to programs such as Excel, increases the flexibility of the program.



Units of Measure

The units of measure can be selected and stored together with the product definition.

Thickness: mm / inch
 Diameter: mm / inch
 Hardness: N / Kp / SC / User defined
 Weight: g / mg

External scale

The weight of a tablet can be recorded and correlated to other measurement parameters by attaching an external scale. (Standard: Mettler AB54). This scale can either be placed next to the 8M unit or built into a manually operated companion tablet transport system. The calibration of the scale is accomplished using an external weight.



External Thickness measuring

External thickness measuring is accomplished using a digital gauge. The 8M has a built-in interface which accommodates the Mitutoyo Digimatic Indicator. Data is captured and processed by the system.

Integration into a production process

The 8M testing system can even be linked to a tablet press by way of its RS232C or CAN-bus interface.

Technical Data

Thickness	0 – 15 mm (0 – 0.6 in)
Diameter	0 – 35 mm / 65 mm (optional) 0 – 1.4 in / 2.6 in (optional)
Hardness	Standard 0 – 400 N, optional 50 N / 500 N / 800N
User languages	English, German, French, Spanish
Extensions	- external thickness gauge - external scale - manual tablet transport
Options	- PC-Keyboard - External Start Switch - Special Jaws - TabStat 2000™ Software Package - CAN Interface
Measurements L × W × H	150 × 420 × 185mm (6 × 17 × 7 in)
Weight	10 kg (22 lbs)
Power Voltage Range	90 – 264 VAC / 47 – 63 Hz

(technical specifications subject to change without notice)

Calibration

Calibrate individual measurement stations by selecting „calibration” from the menu and follow the on-screen instructions.

Software validation

Validation of the software can be carried out using optional validation protocol documentation. If on-site validation assistance is required, contact Dr. SCHLEUNIGER® Pharmatron or its representatives.

The Dr. SCHLEUNIGER® Pharmatron brandname is recognized worldwide as the quality standard and leader in high precision tablet testing instruments. Headquartered in Solothurn, Switzerland, Schleuniger Pharmatron has subsidiary offices in Manchester, New Hampshire and Bayamon, Puerto Rico. In addition, Dr. SCHLEUNIGER® Pharmatron products are sold and serviced around the world through a network of over 40 independent distributors.



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