

Technical data sheet

Motorized Tablet Hardness Tester

PT-H1M applies motor-driven compression to measure tablet breaking force up to 300 N. Automatic ram return, overload protection and storage for 48 results support repeatable bench testing.

Key features

- Motor-driven ram with automatic return
- Pause forward or reverse travel at any position
- Automatic zeroing outside a test and recall of stored results

Technical Information

Breaking-force range	0-300 N
Force resolution	0.1 N
Tablet diameter range	0-20 mm
Power consumption	10 W
Power supply	220 V / 50 Hz
Dimensions (L × W × H)	380 × 260 × 150 mm
Weight	7 kg
Stored results	48

Standard Configuration

Force instrument with motor-driven ram, pressure sensor and LCD display.

The damped fragment-box lid can remain at the selected position. Stored results can be recalled or deleted; software adjustment of the force reading is supported.

The listed power configuration is 220 V, 50 Hz, 10 W. Confirm destination supply and plug before ordering. The secondary kg force scale and its stated accuracy require unit confirmation; use the N range and resolution for initial selection.

Optional Accessories

Printing is optional; confirm the printer, connection and supplied hardware in the quotation.

Applications

Tablet breaking-force testing for formulation development and routine laboratory quality control. Orient each tablet consistently and select a force range appropriate to the dosage form.

Selection / Ordering Information

Specify tablet dimensions, expected breaking force, sample throughput and recording needs. Confirm fixtures, calibration accessories, power supply and destination-specific configuration in the quotation.

Related instruments

Manual Tablet Hardness Tester · PT-H1

500 N Tablet Hardness and Diameter Tester · PT-H50

Review the configuration with PRECETTA before ordering.