

Technical data sheet

Manual Tablet Hardness Tester

PT-H1 measures tablet breaking force with manual sample loading and manual compression. Its compact housing and digital result hold suit individual tablet checks over a 2-296 N range.

Key features

- Manual loading and compression
- Automatic result hold, reset and fault diagnosis
- Force-unit conversion before or after testing

Automatic display, result hold, reset, repeated testing, linear-error correction and fault diagnosis.

Technical Information

Breaking-force range	2-296 N
Force resolution	0.1 N
Force accuracy	±0.5% of full scale
Tablet diameter range	2-30 mm
Power consumption	10 W
Dimensions (L × W × H)	280 × 180 × 110 mm

The source also gives a secondary force-scale display of 0.2-30 kg with 0.01 kg resolution. This is a force-scale indication, not a tablet mass measurement; use the N specification for selection and confirm the instrument unit convention.

Standard Configuration

Digital force instrument with manual compression and result display.

Measurement accuracy can be checked and adjusted with standard weights. Confirm the required weights, fixtures and calibration procedure with PRECETTA; calibration accessories are not confirmed as supplied.

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

Motorized Tablet Hardness Tester · PT-H1M

500 N Tablet Hardness and Diameter Tester · PT-H50

Review the configuration with PRECETTA before ordering.