

HC7-Series

Advanced tablet hardness tester

The Kraemer Elektronik HC7 Tablet Hardness Tester meets all testing needs in laboratories and in the production area when sourcing a reliable, compact and intuitive tester on budget.

With its easy to navigate 7" touch screen display, users can test diameter/length, breaking force (hardness) as standard, additional parameters: weight, thickness options available if required.

HC7- a smart tester, easy to use, clean and calibrate.

The internal memory (max. of 50 products with T-limits). 32 GB internal SD card for backup of the database. Adjustment and calibration via display with flexible reminder function. Configurable printout via local USB printer, network printer and / or on USB stick (PDF file). Export function via LAN (PDF file) available as standard.



HC7 with thickness gauge and Sartorius scale



Standard configuration



HC7 with thickness gauge

MEASURED PARAMETERS

 **HARDNESS**

 **LENGTH /
DIAMETER**

OPTIONS

 **THICKNESS OPTION
(EXTERNAL GAUGE)**

 **WEIGHT OPTION
(EXTERNAL SCALE)**

ADVANTAGES

- + Clean Design Concept
- + User-friendly
- + Intuitive touchscreen operation
- + Batch reporting included
- + Constant Speed & Constant Force

FUNCTIONS

- Printouts configurable
- Monitoring of calibration interval
- Access control light
- Automatic PDF export to a USB stick
- Product memory for up to 50 products
- Access to charts during active test
- Plain text messages

OPTIONS

- License for PH21 communication
- Option Thickness
- Option Weight (balance excluded)
- Load cells: 40N, 400N (Standard)
- Mechanical Tablets (50N, 100N, 150N, 200N)
- IQ, OQ, PQ

HC7 - SERIES

TECHNICAL DATA

HC7-Series

Hardness tester

Measurement principle	Load measurement cell (LMZ) with strain gauge (DMS)
Measurement method	Constant speed or constant force
Measuring range	4 – 400N standard, optional 1 – 40N
Measurement accuracy	4 – 400N (+/- 1N), 1 – 40N (+/- 0.1N)
Resolution	1N at 400N, 0.1N at 40N range
Units of measure	N / Kp / SC
Tablet length/diameter	1 – 30 mm
Measurement accuracy	+/- 0.05 mm
Resolution	0.01 mm
Units of measure	mm / Inch
Calibration	Static, multiple points and with protocol
Dimensions W x D x H (mm)	220 x 200 x 130mm Without thickness gauge
Weight	6.5kg

External thickness

Measurement principle	Mitutoyo external gauge
Measurement method	Digital encoder
Measurement range	0-12.7mm
Measurement accuracy	+/- 0.02mm
Resolution	0.01mm
Units of measure	mm/inch

Scale

Models	Sartorius or Mettler
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