

BASIC DEVICE

HC7-Series

Advanced tablet hardness tester

For manual measurement of 4 parameters: weight, thickness, diameter (length), and breaking force (hardness). Intuitive operation via 7" Touch-Screen display. State-of-the-art high quality technology with LED status lamp. Smart, and user-friendly.

The HC7-Series manual laboratory testing device in the new design combines the latest technology and usability. Rounded shapes, generous radii and smooth surfaces make it the tester very easy to clean.

Internal memory (max. of 50 products with T- limits). 32 GB internal SD card for backup of the database. Measuring range 400 N (optional 40 N).

Easy cleaning using the Clean Design Concept. Oblong Tablet orientation via Grooving-plate.

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.



Pic.: HC7-Series standard device



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 Weigat (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

Thickness tester

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

Weight tester

Dimensions W x D x H (mm)	220 x 200 x 130mm Without thickness gauge
Weight	6.5kg