

STANDARD DEVICE

H-Series

Advanced tablet hardness testers

For manual measurement of 5 parameters: weight, thickness, diameter (length), width and breaking force (hardness). Intuitive operation via 7" Touch-Screen display. State-of-the-art technology with LED status lamp. Smart, user-friendly with high quality.

The H-Series manual laboratory testing devices in the new LAB.line design combine the latest technology and usability. Rounded shapes, generous radii and smooth surfaces make them very easy to clean.

8 GB internal memory (max. of 10.000 products with T- limits).
32 GB internal SD card for backup of the database.
Measuring range 400 N (optional 40 N or 800 N), up to 60 mm.

Easy cleaning using the Clean Design Concept.
Orientation via Grooving-plate, easy and fast exchangeable.

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. H-Series standard device



Pic. H-Series with optional scale and external thickness gauge

MEASURED PARAMETERS



HARDNESS



**LENGTH /
DIAMETER**



WIDTH



**THICKNESS
(INTERNAL AND EXTERNAL)**



**WEIGHT
(EXTERNAL SCALE)**

ADVANTAGES

- + Clean Design Concept
- + Very user-friendly
- + Intuitive touchscreen operation
- + Measuring range (length) up to 60mm
- + Constant Speed & Constant Force

FUNCTIONS

- Printouts configurable
- Monitoring of calibration interval
- Access control
- Automatic PDF export to an USB stick
- Large product memory for up to 10000 products
- Access to charts during active test
- Plain text messages






OPTIONS

- License for 21 CFR Part 11 available without another software!!!
- License for User Administration available
- License for CSV export available
- License for LIMS export (XML-File) available
- Load cells:
 - 40N, 400N (Standard), 800N
- Base with two larger collection containers
- Mechanical Tablets (50N, 100N, 150N, 200N)
- External thickness gauge optional
- External balance optional
- IQ, OQ, PQ



H - SERIES

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MODEL	 HARDNESS	 LENGTH / DIAMETER	 WIDTH	 THICKNESS	 WEIGHT (external scale)
H2 L	●	●			
H3 L	●	●	●		
H4 L	●	●	●	●	
H4+ L	●	●	●	○	
H5 L	●	●	●	●	●
H5+ L	●	●	●	○	●

● Device configuration ○ Special feature: manual thickness gauge

TECHNICAL DATA

H-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 / 8 – 800N
Measurement accuracy	4 – 400N (+/- 1N), 1 – 40N (+/- 0.1N), 8 – 800N (+/- 2N)
Resolution	1N at 400N range, 0,1N at 40N range, 1N at 800N range
Units of measure	N / Kp / SC
Tablet diameter	1 - 60mm
Measurement accuracy	+/- 0.05mm
Resolution	0.01mm
Units of measure	mm / Inch
Calibration	Static, multiple points and with protocol

General

Touch Display	7" capacitive touch-screen, resolution 800 x 480
Interfaces	2 x USB 2.0 / 1 x RJ45 LAN / 1x RS232
Printer connectivity	Network or USB

Weight

Weight	7kg standard device 8Kg standard device with optional debris bin
Dimensions	270mm x 230mm x 105mm

Power requirements

Main voltage primary	100 - 240 VAC, 50 / 60 Hz
Main voltage secondary	24 VDC / 5.0A, max. 120W



The devices comply with EG-Maschinenrichtlinien 2006/42/EG and EMV 2004/108/EG. Future technical changes reserved. Stand: 04-2020