

## STANDARD DEVICE

# HC6.2

## The simple tablet hardness tester

The clear display and buttons make them easy to use, allowing you to operate the device safely even when wearing gloves and protective clothing.

Measure the hardness, length and width using the standard device. Print your test results directly from an external printer by using the USB port. You can manage up to 99 products externally and load them via a USB memory stick. An integrated product memory is available as an option.

With the HC6.2 tablet tester, we continuing offer you our traditional devices in their tried-and-tested design and technology.

The HC6.2 tablet hardness tester fulfils all EP/USP requirements.



Pic.: HC6.2 for hardness testing and diameter measurement



Pic.: HC6.2 EXT+ with thickness gauge and external scale

## MEASURED PARAMETERS



**HARDNESS**



**LENGTH /  
DIAMETER**



**THICKNESS**



**WEIGHT  
(EXTERNAL SCALE)**

## ADVANTAGES

- + User-friendly seven-segment display with buttons
- + Quick and simple calibration
- + Small and robust

## FUNCTIONS

- Automatic report after test
- Mode for softgel capsules





## OPTIONS

- Load cells  
40N, 400N (Standard)
- Manual thickness gauge
- External scale
- Printer
- Mechanical Tablets for function control
- IQ, OQ, PQ



HC6.2

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MODEL	 HARDNESS	 LENGTH / DIAMETER	 THICKNESS	 WEIGHT (external scale)
HC6.2	●	●		
HC6.2 EXT	●	●	○	
HC6.2 EXT+	●	●	○	○

● standard

○ optional

## TECHNICAL DATA

## Hardness

Measurement principle	Load measurement cell (LMZ) with strain gauge (DMS) Constant speed 0.35mm/s – 3.5mm/s
Measurement method	Hardness, diameter and thickness measurement
Measuring range	4 – 400N Standard, optional 1 – 40N
Measurement accuracy	4 – 400N (+/- 1N), 1 – 40N (+/- 0.1N)
Resolution	1N at 400N range, 0,1N at 40N range
Units of measure	N / Kp / SC
Calibration	Static, optional dynamic

## Diameter / Length

Drive	Stepper motor
Units of measure	mm / Inch
Measuring range	1 – 30mm
Measurement accuracy	+/- 0.05mm
Resolution	0.01mm

## Scale

Models	Sartorius, Mettler or Precisa
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## Thickness

Model	Mitutoyo Digimatic
Units of measure	mm / Inch
Measuring range	0 – 12.7mm Standard, optional 0 – 25.4mm
Measurement accuracy	+/- 0.02mm
Resolution	0.01mm

## General

Interfaces	HC6.2 / 2 x USB / 1 x RJ45 LAN HC6.2 EXT / 2 x USB / 1 x RJ45 LAN / 1 x RS232 HC6.2 EXT+ / 2 x USB / 1 x RJ45 LAN / 1 x RS232 / 1 x RS232 Scale
Printer port	USB printer with PCL3
Weight (basic device)	6.0kg (approx.)
Dimensions (basic device)	225mm x 190mm x 116mm (approx.)

## 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