

Hardness Tester

hardness tester

- Single position or 12 position Carousel for Automatic measurement of tablet parameters:
 - Thickness
 - Length/Diameter
 - Hardness
- Built in sweeping blades clean the tablet path for removal of broken pieces, debris & dust.
- Automatic run can be performed continuously for up to 99 tablets. Run can be restarted on power failure or system reset with last run parameters.
- Linear displacement of 0.8mm/sec with fast advance and return movement of breaking arm saves runtime.
- Validation/Calibration protocol with verification for:
 - Hardness – 3 point load cell calibration with standard weights
 - Length/Diameter and Thickness – 3 point calibration with standard thickness gauges
- Quick Run for Thickness, Length, Hardness, or All parameters. Measurement in sequence of up to 25 sample tablets with GLP information.

The Tablet Hardness Tester is advance microcontroller based with user friendly software in dialog mode and has the capability of protection against invalid entries. The Alpha-Numeric splash proof keyboard allows entries such as sample name, sample number or ID number for data authentication. The keyboard also allows for two tier password protection (User and Administrator) for method editing and validation for up to 10 users. There is a method storage capacity of 99 programs with parameters. The report printout complies with GLP requirements and a built-in Real Time Clock provides date, time display, and authenticity of the printout.

ordering information

catalog no.	description
K90630	Hardness Tester, 1-Position, 115V
K90631	Hardness Tester, 12-Position, 115V
K90632	Hardness Tester, 24-Position, 115V
K90635	Hardness Tester, 1-Position, 230V
K90636	Hardness Tester, 12-Position, 230V
K90637	Hardness Tester, 24-Position, 230V



K90631 Hardness Tester

specifications

- Thickness:
Linear Transducer
Measuring Range: 0.1mm – 15.0mm
Measuring Accuracy: ± 0.06 mm
- Diameter/Length:
Stepper controlled load touch sensor
Measuring Range:
0.1mm – 32.0mm (12 Carousel)
0.1mm – 40.0mm
Measuring Accuracy: ± 0.06 mm
- Hardness: Speed control by stepper motor
Load Cell – Strain Gauge
Measuring Range: 2N to 500N
Measuring Accuracy: ± 1 N
- Weight: Manual entry by user (for reporting purpose)
Automatic Balance Interface
- Display: 40 x 2 Lines, Back light LCD Display
- Report Format:
GLP and Pharmacopoeia compliant report with statistics (Avg, Min, Max and RSD)
Program Parameter Report
Validation Report
- Output:
Parallel port for Dot Matrix / Desk Jet Printer
RS232 C ports for Balance connectivity and PC connectivity for data download
- Power Requirement:
110V / 60 Hz
230V / 50 Hz, 65W
- Environmental Operating Conditions:
Operation: Indoor
Temperature: Ambient to 45°C
Humidity: 20% to 80%
- Dimensions wxdxh, in. (cm)
Single Station: 12.4 x 13 x 7.9 (31.4 x 33 x 20)
Shipping Weight: 30.9 lb. (14 kg)
12 Position: 14 x 13.8 x 12.6 (36 x 35 x 32)
Shipping Weight: 40 lb. (18 kg)