



MODEL HV-5 LOW LOAD VICKERS HARDNESS TESTER

Feature & Use

- . Testing forces cover Micro Vickers and Vickers testing demands
- . Automatic testing process, no human operating error
- . Precision conforms to GB/T 4340.2, ISO 6507-2 and ASTM E92

It's suitable to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitrided and hardened layers of metals. It is also suitable to determine the Vickers hardness of micro and super thin parts.

Specifications:

Measuring range: 5-3000HV

Test force: 1.961, 2.942, 4.903, 9.807, 19.61, 24.52, 29.42, 49.03N
(0.2, 0.3, 0.5, 1, 2, 2.5, 3, 5kgf)

Max. height of test piece: 130mm

Depth of throat: 100mm

Magnifications of measuring system: 500X, 125X

Min. scale value of optical micrometer: 0.25 μ m

Power supply: 220V AC or 110V AC, 50 or 60Hz

Dimensions: 438 x 376 x 685mm

Weight: approx. 50kg

Standard accessories:

Coordinate anvil: 1 pc.

Thin shaft anvil: 1 pc.

Thin plate anvil: 1 pc.

Flat nose pliers: 1 pc.

Large V-notch anvil: 1 pc.

Small V-notch anvil: 1 pc.

Diamond pyramid penetrator: 1 pc.

Vickers standardized block: 2 pcs.

Micro-Vickers standardized block: 1 pc.

Electronic calculator: 1 pc.



MODEL HV-10B LOW LOAD VICKERS HARDNESS TESTER

Feature & Use

- . Automatic testing process, no human operating error
- . Precision conforms to GB/T 4340.2, ISO 6507-2 and ASTM E92

It can be used to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitrided and hardened layers of metals. It is also suitable to determine the Vickers hardness of micro and super thin parts.

Specifications

Measuring range: 30-3000HV

Test force: 4.903, 9.807, 19.61, 24.52, 29.42, 49.03, 98.07N
(0.5, 1, 2, 2.5, 3, 5, 10kgf)

Max. height of test piece: 130mm

Depth of throat: 100mm

Magnifications of the measuring system: 500X, 125X

Min. scale value of the optical micrometer: 0.25 μ m

Power supply: 220V AC or 110V AC, 50 or 60Hz

Dimensions: 438 x 382 x 708mm

Weight: approx. 70kg

Standard accessories

Coordinate anvil: 1 pc.

Large flat anvil: 1 pc.

Small flat anvil: 1 pc.

V-notch anvil: 1 pc.

Diamond pyramid penetrator: 1 pc.

Vickers standardized block: 2 pcs.

Electronic calculator: 1 pc.



MODEL HV-50A VICKERS HARDNESS TESTER

Feature & Use

- . Frictionless loading shaft, high precision testing force
- . Automatic testing process, no human operating error
- . Precision conforms to GB/T 4340.2, ISO 6507-2 and ASTM E92

It's suitable to determine the Vickers hardness of steel, non-ferrous metals, ceramics and treated layers of metal surface, etc.

Specifications:

Measuring range: 5-2900HV

Test force: 9.807, 49.03, 98.07, 196.1, 294.2, 490.3N
(1, 5, 10, 20, 30, 50kgf)

Max. height of test piece: 180mm

Depth of throat: 125mm

Magnifications of the measuring system: 125X, 250X

Min. scale value of the optical micrometer: 1 μ m

Power supply: 220V AC or 110V AC, 50 or 60Hz

Dimensions: 580 x 260 x 730mm

Weight: approx. 90kg

Standard accessories:

Large flat anvil: 1 pc.

Small flat anvil: 1 pc.

V-notch anvil: 1 pc.

Diamond pyramid penetrator: 1 pc.

Vickers standardized block: 3 pcs.



MODEL HV-1000A MICROHARDNESS TESTER

Feature & Use

- . Automatic turret switching between penetrator and objective lens
- . Frictionless loading shaft, high precision testing force
- . Automatic testing process, no human operating error
- . Precision conforms to GB/T 4340.2, ISO 6507-2 and ASTM E384

It can be used to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitrided and hardened

layers of metals. It is also suitable to determine the Vickers hardness of micro and super thin parts.

Specifications:

Hardness measuring range: 5-3000HV

Test force: 0.09807, 0.2452, 0.4904, 0.9807, 1.961, 2.942, 4.904, 9.807N
(10, 25, 50, 100, 200, 300, 500, 1000gf)

Hardness scale: HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1

Magnifications of the measuring system: 400X(measuring), 100X(observing)

Min. scale value of the optical micrometer: 0.025 μ m

Measuring range: 200 μ m

Max. height of test piece: 75mm

Depth of throat: 110mm

Power supply: 220V AC or 110V AC, 50 or 60Hz

Dimensions: 470 x 320 x 500mm

Weight: approx. 40kg

Standard accessories:

Coordinate anvil: 1 pc.

(Table size: 100 x 100mm, travel: 25 x 25mm, grade division of micrometer head: 0.01mm)

Thin shaft anvil (\varnothing 0.3- \varnothing 5mm): 1 pc.

Thin plate anvil: 1 pc.

Flat nose pliers: 1 pc.

Large V-notch anvil: 1 pc.

Small V-notch anvil: 1 pc.

Diamond pyramid penetrator: 1 pc.

Micro-Vickers standardized block: 2 pcs.

Optional accessories:

Knoop penetrator

CCD camera and image processing system



MODEL HV-1000B MICROHARDNESS TESTER

Feature & Use

- . Frictionless loading shaft, high precision testing force
- . Automatic testing process, no human operating error
- . Precision conforms to GB/T 4340.2, ISO 6507-2 and ASTM E384

It can be used to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitrided and hardened layers of metals. It is also suitable to determine the Vickers hardness of micro and super thin parts.

Specifications:

Hardness measuring range: 5-3000HV

Test force: 0.09807, 0.2452, 0.4904, 0.9807, 1.961, 2.942, 4.904, 9.807N
(10, 25, 50, 100, 200, 300, 500, 1000gf)

Hardness scale: HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1

Magnifications of the measuring system: 400X(measuring), 100X(observing)

Min. scale value of the optical micrometer: 0.025 μ m

Measuring range: 200 μ m

Max. height of test piece: 75mm
Depth of throat: 110mm
Power supply: 220V AC or 110V AC, 50 or 60Hz
Dimensions: 470 x 320 x 500mm
Weight: approx. 40kg

Standard accessories:

Coordinate anvil: 1 pc.
(Table size: 100 x 100mm, travel: 25 x 25mm, grade division of micrometer head: 0.01mm)
Thin shaft anvil (\varnothing 0.3- \varnothing 5mm): 1 pc.
Thin plate anvil: 1 pc.
Flat nose pliers: 1 pc.
Large V-notch anvil: 1 pc.
Small V-notch anvil: 1 pc.
Diamond pyramid penetrator: 1 pc.
Micro-Vickers standardized block: 2 pcs.

Optional accessories:

Knoop penetrator
CCD camera and image processing system



MODEL HVS-5 DIGITAL DISPLAY LOW LOAD VICKERS HARDNESS TESTER

Feature & Use

- . Testing forces cover Micro Vickers and Vickers testing demands
- . Automatic testing process, no human operating error
- . Precision conforms to GB/T 4340.2, ISO 6507-2 and ASTM E92

It's suitable to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitrided and hardened layers of metals. It is and also suitable to determine the Vickers hardness of micro and super thin parts.

Specifications:

Measuring range: 5-3000HV

Test force: 1.961, 2.942, 4.903, 9.807, 19.61, 24.52, 29.42, 49.03N
(0.2, 0.3, 0.5, 1, 2, 2.5, 3, 5kgf)

Magnifications of the measuring system: 500X, 125X

Min. scale value of the optical micrometer: 0.025 μ m

Max. height of test piece: 130mm

Depth of throat: 100mm

Power supply: 220V AC or 110V AC, 50 or 60Hz

Dimensions: 438 x 376 x 685mm

Weight: Approx. 50kg

Standard accessories:

Coordinate anvil: 1 pc.

Thin shaft anvil: 1 pc.

Thin plate anvil: 1 pc.

Flat nose pliers: 1 pc.

Large V-notch anvil: 1 pc.

Small V-notch anvil: 1 pc.

Diamond pyramid penetrator: 1 pc.

Vickers standardized block: 2 pcs.

Micro-Vickers standardized block: 1 pc.

Printer: 1 pc.



MODEL HVS-50 DIGITAL DISPLAY VICKERS HARDNESS TESTER

[Feature & Use](#)

- . Frictionless loading shaft, high precision testing force
- . LCD display, menu operating, complete function with data processing, hardness value conversion and so on
- . Precision conforms to GB/T 4340.2, ISO 6507-2 and ASTM E92

It's suitable to determine the Vickers hardness of steel, non-ferrous metals, ceramics and treated layers of metal surface, etc.

Specifications:

Measuring range: 5-2900HV

Test force: 9.807, 49.03, 98.07, 196.1, 294.2, 490.3N
(1, 5, 10, 20, 30, 50kgf)

Max. height of test piece: 180mm

Depth of throat: 125mm

Magnifications of the measuring system: 125X, 250X

Min. scale value of the optical micrometer: 0.5 μm

Power supply: 220V AC or 110V AC, 50 or 60Hz

Dimensions: 580 x 260 x 730mm

Weight: Approx. 90kg

Standard accessories:

Large flat anvil: 1 pc.

Small flat anvil: 1 pc.

V-notch anvil: 1 pc.

Diamond pyramid pebetrator: 1 pc.

Vickers standardized block: 3 pcs.

Printer: 1 pc.



MODEL HVS-1000A DIGITAL DISPLAY MICROHARDNESS TESTER

Feature & Use

- . Automatic turret shifting between penetrator and objective lens, RS232 data interface, built-in printer
- . Hardness conversion between different hardness scales
- . Precision conforms to GB/T 4340.2, ISO 6507-2 and ASTM E384

It can be used to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitrided and hardened layers of metals. It is also suitable to determine the Vickers hardness of micro and super thin parts.

Specifications

Measuring range: 5-3000HV

Test force: 0.09807, 0.2452, 0.4904, 0.9807, 1.961, 2.942, 4.904, 9.807N
(10, 25, 50, 100, 200, 300, 500, 1000gf)

Hardness scale: HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1

Magnifications of the measuring system: 400X(measuring), 100X(observing)

Min. scale value of the optical micrometer: 0.01 μm

Measuring range: 200µm
Max. height of test piece: 75mm
Depth of throat: 110mm
Power supply: 220V AC or 110V AC, 50 or 60Hz
Dimensions: 470 x 320 x 500mm
Weight: approx. 40kg

Standard accessories

Coordinate anvil: 1 pc.
(Table size: 100 x 100mm, travel: 25 x 25mm, grade division of micrometer head: 0.01mm)
Thin shaft anvil (Ø0.3- Ø5mm): 1 pc.
Thin plate anvil: 1 pc.
Flat nose pliers: 1 pc.
Large V-notch anvil: 1 pc.
Small V-notch anvil: 1 pc.
Diamond pyramid penetrator: 1 pc.
Micro-Vickers standardized block: 2 pcs.

Optional accessories

Knoop penetrator
CCD camera and image processing system



MODEL HVS-1000B DIGITAL DISPLAY MICROHARDNESS TESTER

Feature & Use

- . RS232 data interface, built-in printer
- . Hardness conversion between different hardness scales
- . Precision conforms to GB/T 4340.2, ISO 6507-2 and ASTM E384

It can be used to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitrided and hardened layers of metals. It is also suitable to determine the Vickers hardness of micro and super thin parts.

Specifications

Measuring range: 5-3000HV

Test force: 0.09807, 0.2452, 0.4904, 0.9807, 1.961, 2.942, 4.904, 9.807N
(10, 25, 50, 100, 200, 300, 500, 1000gf)

Hardness scale: HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1

Magnifications of the measuring system: 400X(measuring), 100X(observing)

Min. scale value of the optical micrometer: 0.01 μm

Measuring range: 200 μm

Max. height of test piece: 75mm
Depth of throat: 110mm
Power supply: 220V AC or 110V AC, 50 or 60Hz
Dimensions: 470 x 320 x 500mm
Weight: approx. 40kg

Standard accessories

Coordinate anvil: 1 pc.
(Table size: 100 x 100mm, travel: 25 x 25mm, grade division of micrometer head: 0.01mm)
Thin shaft anvil ($\varnothing 0.3$ - $\varnothing 5$ mm): 1 pc.
Thin plate anvil: 1 pc.
Flat nose pliers: 1 pc.
Large V-notch anvil: 1 pc.
Small V-notch anvil: 1 pc.
Diamond pyramid penetrator: 1 pc.
Micro-Vickers standardized block: 2 pcs.

Optional accessories

Knoop penetrator
CCD camera and image processing system