



METTECHNIK

One stop solution in Metallurgy Testing

Micro Vickers Hardness Tester Basic Model



Micro Vickers hardness testing instruments offer an easy, quality and durability solution for a wide range of microhardness scale testing.

MAIN APPLICATION

Steel, ferrous metal, non-ferrous metal, metal foil, hard alloy, metal sheet and microstructure.

Carbonized layers and quench hardened layers, electroplated layer, and coatings.

Glass, chip, ceramic, precious stones, etc.

MAIN FEATURE

Only input the indentation diagonal, can get the hardness value automatically on the screen

Show the test mode, test force, test scale, dwell time, test result on the screen directly

Automatic, high speed and motorized turret or manual turret

High precision focus system ensure accurate measurement 5. Adjustable LED illuminator

Integrated high speed thermal printer

One-time casted aluminum shell, more stable

Optional Knoop testing upon request

Optional CCD Camera & auto measurement system upon request

Optional LCD big screen for simultaneous observation of many people upon request

We are able to research & develop & design & produce independently, we also provide accessories replacement and maintain upgrade services for life-time for all machines.

TECHNICAL SPECIFICATION

Test scale - HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1, HV2

Conversion scale - HRA, HRB, HRC, HRD, HK, HBS, H15N, H30N, H45N, H15T, H30T, H45T

Main-load - 10gf(0.098N), 25gf(0.245N), 50gf(0.49N), 100gf(0.98N), 200gf(1.96N), 300gf(2.94N), 500gf(4.9N), 1000gf(9.8N)

Load speed - $\leq 50\mu\text{m/sec}$

Load Method - Automatically (Load---dwell---unload)

Indenter - Diamond indenter 136°

Min. Measuring Unit - $0.25\mu\text{m}$

Test range - 1HV-1000HV

Display - Digital LCD screen 62x44mm

Objectives - 10X (For Observation) 40X (For Measurement) regular

Eyepiece - 10X magnification

Optics - LED illuminator

Dwell time - 1-99s

Test capacity - Vertical-85mm, horizontal-115mm

X-Y stage - Dim:100×100 mm, moving Range: 25×25mm

Data output - Inner Printer

Power Supply - 220V/110V, 50/60Hz

Dimension and Weight - Size : 490*185*515mm (L*W*H); N.W.:43kg

Packaging- 625*430*900mm (L*W*H); G.W.:57kg

Executed Standard - GB/T4340, ASTM E384 & E92, EN-ISO 6507, JIS B-7734

Extra Accessories

Camera with measurement Software

Accessories with Machine

Hardness Tester -1 pc

1.10X micro eyepiece -1 pc

- 2.X-Y platform -1 pc
- 3.Flat tong -1 pc
- 4.Thin parts test platform - 1 pc
5. Drill chuck - 1 pc
- 6.Horizontal adjustment screws - 4 pcs
- 7.Power Cable - 1 pc
- 8.Fuse - 1 pc
- 9.Cross screwdriver, 12-14 spanner - Each One
10. Allen wrench -1 set
- 11.Spirit Tube 1- pc
- 12.Dust cover 1- pc
13. Weights 7 - pcs
- 14.Standard blocks: HV0.2 HV1- Each one
- 15.User Manual -1 pc
- 16.Warranty Card - 1 pc
- 17.Hardness Conversion Table -1 pc

We also supply all types of Metallography Equipments

