

Micro Vickers Hardness Tester Touch Screen Model



The new digital eyepiece touch screen series, micro hardness testing instruments offer an easily, quality and durability solution for a wide range of micro-hardness scale testing.

MAIN APPLICATION

1. Steel, ferrous metal, non-ferrous metal, metal foil, hard alloy, metal sheet and microstructure.
2. Carbonized layers and quench hardened layers, electroplated layer, and coatings.
3. Glass, chip, ceramic, precious stones, etc.

MAIN FEATURE

1. Measuring confirmation button on digital eyepiece
2. Automatic, high speed and motorized turret
3. 4.3"/5.6"/10" Full color high resolution touch screen, providing operation comfort
4. Testing data conversion and storage function
5. Integrated high speed thermal printer
6. USB 3.0 interface
7. Easy calibration function
8. High precision focus system and accurate measurement
9. One-time casted aluminum shell, more stable
10. Easy operation
11. Optional Knoop testing , CCD Camera & auto measurement system upon request

TECHNICAL SPECIFICATION

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

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-4000HV

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, USB Storage

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.:61kg

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

Extra Accessories

Camera with measurement Software - 1 no

Accessories

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 wire -1 pc

8.Fuse - 1 pc

9.Cross screwdriver, 12-14 spanner - Each One

10.Allen wrench - 1 set

11.Spiritbubble - 1 pc

12.Dust cover 1 pc

13.Weights - 6 pcs

14.Standard blocks: HV0.2 HV1 -1 Each

15.User Manual -1 pc

16.Warranty Card -1 pc

17.Hardness Conversion Table -1 pc

We also supply all types of Metallography Equipments

