DIGITAL MICRO VICKERS HARDNESS

CE   ISO   USB   software   LCD

Turret

10x, 40x Objectives

Small Cylinder Table (φ58)

Flat Clamp Table (80x125mm)

Slice Clamp Table (80x80mm)

OLED Touch Screen

10x Eyepiece

Main Features

- Touch Screen, full color multi-function OLED dispay
- Automatic measuring process
- Corner length D1 and D2 automatically calculate and input
- High-definition optical system: 20 levels adjustable
- Hardness scale conversion function
- Built-in printer for data output
- Optional: Knoop indenter, high-definition CCD camera & system
- Automatic turret function

Application

- Surface coating, steel, non-ferrous metals, ceramics, alloys, etc.
- Heat treatment, carbonization,quenched hardened layer, nitrided layer.
- Small and thin parts.

Technical Specifications

Model	LHVS-1000Z (Touch Screen)
Test force	10gf (0.098N)　25gf (0.245N)　50gf (0.49N)　100gf (0.98N)　200gf (1.96N)　300gf (2.94N)　500gf(4.9N)　1000gf (9.8N)
Min measuring unit	0.03125μm
Data output	LCD screen display
Carried Standard	GB/T4340.1,GB/T4340.2, IS06507-2, ASTM_E384, JJG151
Max Height of Specimen	90mm
Distance of Indenter to wall	120mm
X-Y Testing table	Dimension: 100*100mm Max mobile：25*25mm
Conversion Scale	HRA HRB HRC HRD HRF H V HK HBW HR15N HR30N HR45N HR15T HR30T HR45T
Measuring Range	8~2900HV
Method of testing force applied	Automatic（Loading, Dwell, Unloading）
Test microscope magnification	400X(Measuring)，100X（observation）
Duration time	0~60s (Adjustable)
Power supply	AC220V+5％，50~60Hz
Overall Dimension	405*290*480mm
Net weight	About 40 Kg
Standard Accessories	Indenter*1, Hardness Block*2, Testing table*1, Testing platform*3, Objectives*2, Eyepiece*1, Light bulb*1, ect. (Please see Packing list)

Optional Models

LHV-1000

- LCD display & Automatic measuring process
- Test force10gf to 1000gf
- Min measuring unit:0.25μm
- Optional Automatic turret
- D1 and D2 manual input

LHV-1000D

- All functions of LHV-1000
- Min measuringunit: 0.03125μm
- D1 and D2 Automatic input
- Built-in printer
- Optional CCD camera

LHVS-1000

- All functions of LHV-1000D
- 4-inch large LCD screen
- Rotating wheel of Z axis
- D1 and D2 Automatic input
- Built-in printer & Optional CCD camera