

HV-1000MBZ Micro Vickers Hardness Tester

Standard Configuration

| | | | |
|--|---|-------------------------|-------------|
| Weight shaft | 1 | Weight | 6 |
| Cross test table | 1 | Sheet holding table | 1 |
| Flat clamping table | 1 | Filament clamping table | 1 |
| Screwdriver | 2 | Adjusting screw | 4 |
| Small spirit level | 1 | 10X test eyepiece | 1 |
| power cable | 1 | Spare fuse (2A) | 2 |
| Instruction Manual | 1 | Product certification | 1 |
| Micro Vickers hardness block (high value, low value) | | | One of each |



Introduction

This product adopts a unique and precise design in machinery, optics and light source, which makes the indentation imaging clearer and the measurement more accurate. It adopts a new color touch screen LCD display, and the operation interface adopts a menu structure, which can be selected on the operation panel and can be converted between various hardness values.

Features

- The machine has the functions of data storage, query and average value calculation
- The machine adopts three-point positioning, which is more accurate and repeatable
- The supporting shrapnel of the machine is made of imported special customized material, which has high toughness, high fatigue resistance and is not easy to deform
- The operation interface of the machine adopts the humanized format, the number area and function column type
- The 10X and 40X objective lenses in high-end models have both measurement and observation functions
- The hardness conversion table is classified and refined, which is a perfect conversion table in the industry at present
- The light source system adopts self-developed new LED lighting, with long service life and low calorific value

Technical specification

| Model | HV-1000MBZ | | |
|--|---|-------------------------|-------------------|
| Test force | 10gf (0.098N), 25gf (0.245N), 50gf (0.49N), 100gf (0.98N), 200gf (1.96N), 300gf (2.94N), 500gf(4.9N), 1kgf (9.8N) | | |
| Minimum test unit | 0.25μm | | |
| Conversion ruler | HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T | | |
| X-Y Test Table | Size: 100 x 100mm Maximum movement: 25 x 25mm | | |
| Data output | LCD display readout, built-in printer and RS-232 interface | | |
| Maximum height of specimen | 90mm | | |
| Test force application method | Automatic (loading, holding, unloading) | Hardness test range | 5~3000HV |
| Test microscope magnification | 100X (Observed) 400X(test) | Test force holding time | 1~60s |
| power supply | AC220V+5%, 50-60Hz | Size | 405 x 290 x 480mm |
| Distance from center of indenter to outer wall | 95mm | Weight | 40Kg |