



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

AUTO TURRET TOUCH SCREEN DIGITAL DISPLAY MICRO HARDNESS TESTER

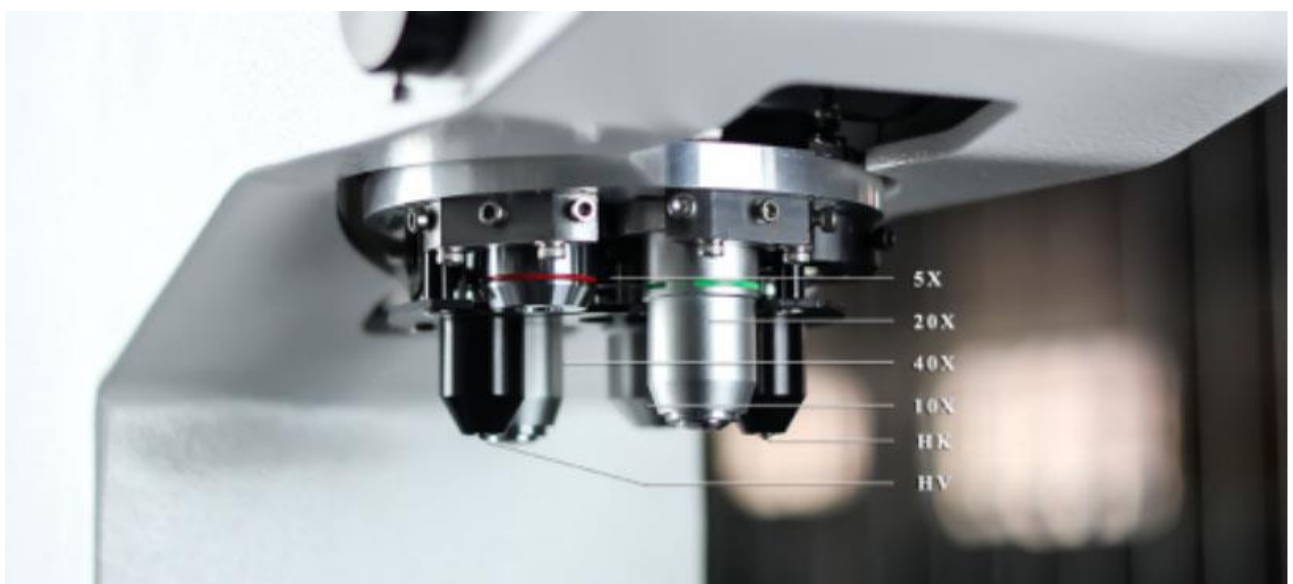


- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*

HVS-1000TZ-IVD

**FEATURE:**

- It's equipped with Vickers, Knoop indenter and 4 kinds of objective lens. Vickers hardness and Knoop hardness values can be measured simultaneously.
- Adopt optical cross guide rail lifting mechanism, force value is accurate, the image is clear, is an ideal high-end micro hardness tester.
- Installed with Vickers, Knoop head and 4 objectives;
- During the test, the indenter and the objective lens automatically switch to each other, and the test point automatically locates accurately.
- Lifting mechanism guided by optical cross rail ensures guiding accuracy; Using rack and pinion two stage force transmission, can achieve fast and smooth force transmission;
- LED light source, long life, no need to replace the bulb;
- Equipped with built-in camera, the image is clearer;
- It can be calibrated according to standard hardness blocks or length scales, and the hardness can be corrected automatically according to high, medium and low hardness values, so that the hardness value is more accurate.
- 8 inch touch screen interface, easy to operate;
- Data statistics save, easy to query and print out;
- Various hardness values convert to each other;
- Test setting parameters are protected by password;
- At least 3 languages such as Chinese and English are available;
- Equipped with RS-232 interface for computer connection;
- Optional maximum test force 2kg.



**TECHNICAL SPECIFICATIONS:**

Model No.	HVS-1000TZ-IVD
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)
Meet standard	GB/T4340.2, GB/T 18449.2, ASTM E92
Measurement resolution	0.01 μ m
Data display output	8-inch touch screen displays readings, stores 20 test results, has a built-in printer and RS-232 interface, and an optional USB flash drive
Conversion scale	Rockwell, Brinell
Hardness test range	8 ~ 2900 HV/HK,
Test force application method	Automatic (loading, preserving, unloading)
Eyepiece magnification	10X
Total magnification	400X, 200X, 100X, 50X (test, observation) (500X optional)
Test force dwell time	1-99s
Max. allowable specimen height	100mm
Distance from indenter to wall	130mm
X-Y platform	Size: 100*100mm Maximum movement: 25*25mm
Size	540*260*650mm
Weight	About 50 kg
Power supply	AC220V + 5%, 50 to 60 hz



Operation Interface

Main Interface

Operator

Sample

Range To

Load(kg) Dwell Time(S)

Turret 10X HV 40X HK

Brightness ↑ ↓

Start

D1 D2

HV

Conversion

Reset Data Setting

Data Interface

DATA

NO.	Hardness-S	Hardness-V	Conversion-S	Conversion-V

Last Next Clean Statistical

MAX	MIN	AVE	VAR

Print

Empty Return

Hardness calibration

Calibration

Magnification:

Load(Kg):

Pulses: X Y

Scale Scale calibration

Hardness

Save Calibration

Language Return

**STANDARD ACCESSORIES:**

Item	Qt'y	Item	Qt'y
Weight shaft	1	Weight	6
Micrometer eyepiece (DHV-1000-10X)	1	Micro hardness block (high block, medium block)	Each 1
X-Y table	1	Nylon universal sole	4
Level	1	Spare fuse (2A)	2
Power cord	1	Dust cover	1
Product certificate, warranty card	1	Instructions	1
Printing paper	1	Touch pen	1
Screwdriver	2		

OPTIONS:

Item	Qt'y	Item	Qt'y
Filaments clamp table	1	Flat mouth clamping platform	1
Wafer holder	1	Vickers measurement software	1 Set