



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

AUTO TURRET TOUCH SCREEN DIGITAL DISPLAY MICROHARDNESS TESTER



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

BHVS-1000TZ-III S



FEATURE:

- HVS-1000TZ-IIIS automatic turret micro Vickers hardness tester is equipped with Vickers indenter and 3 kinds of objective lens..
 - Adopt optical cross guide rail lifting mechanism, force value is accurate, the image is clear, is an ideal high-end micro hardness tester.
1. Installed with Vickers indenter and 3 objectives;
 2. During the test, the indenter and the objective lens automatically switch to each other, and the test point automatically locates accurately.
 3. 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;
 4. LED light source, long life, no need to replace the bulb;
 5. Equipped with built-in camera, the image is clearer;
 6. 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.
 7. 8 inch touch screen interface, easy to operate;
 8. Data statistics save, easy to query and print out;
 9. Various hardness values convert to each other;
 10. Test setting parameters are protected by password;
 11. At least 3 languages such as Chinese and English are available;
 12. Equipped with RS-232 interface for computer connection;
 13. Optional maximum test force 2kg.

APPLICATION:

- Heat treatment, carbide, quench hardened layer, the surface coating layer, steel, non-ferrous metal and small and thin shape parts, etc.

**TECHNICAL SPECIFICATIONS:**

Model No.	BHVS-1000TZ-IIIS
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)
Standard Conformed to	GB/T 4340.2, ISO 6507-2, ASTM E384
Min measuring unit	0.01μm
Conversion Scale	Rockwell, Brinell
Hardness measuring range	8~2900HV
Data 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
Method of testing force applied	Automatic (Loading, Dwelling, Unloading)
Turret Type	Automatic
Magnification of eyepiece	10X
Magnification of objective lens	Choose three from 40X, 20X, 10X, 5X (test, observation) (50X optional)
Test force dwell time	1~99s
X-Y test sets	Dimension: 100*100mm Maximum travel 25*25mm
Maximum specimen height	100mm
Distance from the center to the outer wall of the indenter	130mm
Power supply	AC 220V or 110V, 50 or 60Hz
Dimensions	540*260*650mm
Net Weight	About 50Kg



Operation Interface

Main Interface

Operator

Sample

Range To

Load(kg) Dwell Time(S)

Turret

Brightness

D1 D2

HV

Conversion

Conversion Scale Interface

DATA

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

MAX	MIN	AVE	VAR

Calibration Interface

Calibration

Magnification:

Load(Kg):

Pulses: X Y

Scale

Hardness

**STANDARD ACCESSORIES:**

Item	Qt'y	Item	Qt'y
Weight shaft	1	Weight	6
Micrometer eyepiece	1	Microhardness block (high block, medium block)	1 each
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:

- Filaments clamp table: Flat mouth clamping platform
- Wafer holder: Vickers measurement software
- Knoop indenter