

# MANUAL TURRET MICRO VICKERS HARDNESS TESTER

## FEATURE & USE: -

Manual turret shifting between indent and objective lens.

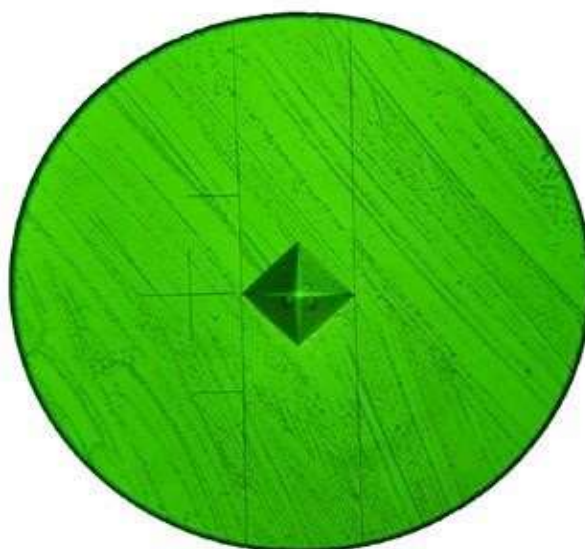
- Large LCD screen display, easy and convenient operation.
- Input D1 & D2 value from front panel and hardness value will be displayed on LCD directly.
- High quality integral casting cast iron machine body with automotive paint treatment process, the appearance is smooth and beautiful.
- The hardness scale, test force, indenter type, holding time and the conversion unit can be displayed on screen and set.
- The turbo-worm elevating system can greatly improve the testing stability and accuracy.
- HD measurement and observation - dual objective lens combination, combined with the HD micrometer eyepiece, greatly reduce the manual interference and reading error.
- Convenient control system can automatically convert the unit of full hardness scales.
- The maximum and minimum hardness values can be set, when the test value exceeds the set range, an alarm sound will be issued.
- The hardness value can be corrected within a certain range by standard scale.
- With the database function, the testing result can be saved automatically up to 200 data.
- CCD image measuring system is optional.
- Knoop indenter can be selected to measure the Knoop hardness.



- Equipped with wireless blue-tooth printer, the data can be output through RS232 or USB interface.
- Precision conforms to GB/T4340.2, ISO6507-2 and ASTM E384.

It can be used to determine the Vickers hardness of steel, non-ferrous metals, ceramics, treated layers of metal surface, and the hardness grads of carburized, nitride and hardened layers of metals. It is also suitable to determine the Vickers hardness of micro and super thin parts.

### MAIN INTERFACE:



### TECHNICAL SPECIFICATIONS:

<b>Model No.</b>	<b>MHV-1000</b>
<b>Test force</b>	10, 25, 50, 100, 200, 300, 500, 1000gf (0.09807, 0.2452, 0.4904, 0.9807, 1.961, 2.942, 4.904, 9.807N)
<b>Conversion Scale</b>	HRA, HRB, HRC, HRD, HRE, HRF, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HB, HV,
<b>Hardness measuring range</b>	5~5000HV
<b>Measuring resolution</b>	0.025 $\mu$ m
<b>Hardness resolution</b>	0.1HV
<b>Max Height of Specimen</b>	120mm
<b>Depth of throat</b>	110mm
<b>X-Y Testing table</b>	Dimension: 100*100mm Max. travel: 25*25mm grade division of micrometer head: 0.01mm
<b>Carried standards</b>	GBT4340.2, ISO6507-2, ASTM E384

**Registered Office:** UGF-12 Ansal Plaza-1 Chiranjeev Vihar Ghaziabad-201002 (U.P.) INDIA

**Workshop:** Khasra No - 63 Village Bayana, Near Wave City, NH 24, Ghaziabad -201015 (U.P.) INDIA

Phone : +91- 8750305291

Email : info@hsmleindia.in / sales@hsmleindia.com

Website : www.hopesmluckyenterprises.in / www.hsmleindia.com (Under Construction)

<b>Magnification of eyepiece</b>	10X
<b>Magnification of objective lens</b>	10X, 40X
<b>Total magnification</b>	100X, 400X
<b>Data output</b>	LCD display, wireless blue-tooth printer, RS232 and USB interface
<b>Dwelling time</b>	1~99s
<b>Power supply</b>	AC 220V or 110V, 50 or 60Hz
<b>Overall Dimensions</b>	530*290*490mm
<b>Net weight</b>	About 45Kg

### STANDARD ACCESSORIES:

- X-Y Coordinate test anvil: 1 pc.
- Thin shaft anvil: 1 pc.
- Thin plate anvil: 1 pc.
- Flat nose pliers: 1 pc.
- Large V-notch anvil: 1 pc. □ Small V-notch anvil: 1 pc.
- Diamond pyramid penetrator: 1 pc.
- Micro-Vickers standardized block: 2 pcs.
- Bluetooth Printer: 1 Pc.

**Note:** Special accessories can be provided.

- Knoop indenter: can measure some high-hardness materials.
- Video measuring apparatus can be provided. It can display the testing indentation image on the screen and make the measurement.
- A CCD image processing system can be provided. It will clearly show an indentation image on a computer screen and make automatic or manual measurements through PC.
- A digital micrometer can be provided to be equipped on X-Y stage to realize digital movement control.