



NOVOTEST

Digital Micro Vickers Hardness Tester NOVOTEST TB-MCV-1A



◀Description▶

Digital Micro Vickers Hardness Tester NOVOTEST TB-MCV-1A is the model with **automatic data input** and manual turret, likewise, it equips with large LCD displaying screen.

Additionally, this equipment is suitable for optional data processing software and optional CCD measuring system. Through handing menu keys, the equipment perform complete functions such as selecting Vickers or knop hardness testing mode, adjusting the intensity of black light, setting dwell time; besides, the length of indentation diagonal line can be keyed on operating board, then directly readout the hardness value from the screen, which is free from checking the tables.

◀Application▶

- Carburized layer, ceramic, steel, non-ferrous metals; sheet, metal foil, plating, fine specimen;
- Applicable to the test on nitride layer, the gradient measurement of carburized layer and hardened layer;
- Suitable for precision Vickers measurement on parallel surface and tiny precision parts and thin parts.

◀Advantages▶

- Manual data input and manual turret, adopting high-precision optical measuring systems and precision coordinate test sets;
- Large LCD digital displaying screen, menu-driven operation structure;
- Built-in printer, equips with photographic camera input port, RS-232 data port can connect to PC;
- Suitable for match optional data processing software and CCD image measuring system;
- Suitable for match knoop indenter to do knop hardness test;
- Selectable and exchangeable among different hardness scales;
- Automatic testing course, easy and convenient operation without man-made error, which guarantees high testing precision;

◀Specification▶

Testing 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)
Vickers scales	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Standards	ISO6507-2, ASTM E384
Exchange scales	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Testing range	5~3000HV
Force control mode	(Automatic) Loading, Dwell, Unloading
Microscope	400X (for measurement), 100X (for Observation)
Dwell time	0~60s
X-Y testing platform	Side: 100*100mm MAX. moving distance: 25*25mm
Data output	LCD digital display, RS-232 port (when use software and CCD camera)
Specimens MAX. height	90mm
Specimens MAX. depth	120mm
Power supply	AC220V, 50/60Hz
Dimension	63*40*78cm
Packing weight	65kg

◀Standard set▶

No.	Items	Qty.
1	Weights roller	1
2	Crossing shape testing platform	1
3	Fine flat forcipate testing platform	1
4	Screwdriver	2
5	Horizontal scroll bar	1
6	Standard micro vickers block	2
7	Power cable	1
8	User's manual book	1
9	Diamond pyramid indenter	1
10	Sheet testing platform	1
11	Filament testing platform	1
12	Bolt djustor	4
13	10X testing eyepiece	1

◀Available options▶

- Data processing software

