DHV-1000MD Digital Micro Vickers Hardness Tester (Auto Turret)

Introduction:

DHV-1000MD Digital Micro Vickers Hardness Tester equips with with Automatic Turre, which has the function of exchanging indenter and objective lens while testing, and automatically locating the testing point in high precision.

Similarly as DHV-1000D,it adopts menu-driven operation structure.It is a new and high-tech product combining optical, mechanical and electronic techniques. With novel appearance, good reliability, operational functions and direct viewing, it is a new type Micro Vickers and Knoop hardness measuring equipment, which adopts precise mechanical, optical and electronic techniques.

Additionally, this equipment is suitable for data processing software and optional 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.

The instrument is suitable for testing Vickers hardness value of micro and quite thin pieces, the parts after surface treating with permeating and coating, and it is also fit for measuring Knoop hardness value for crisp and hard material such as glass, ceramics, agate, man-made precious stone； therefore, it is an ideal hardness measuring Equipment for the scientific research institutes, industrial enterprises and the metrological institutes using for studying and measuring.

Features:

►Equips with with Automatic Turre, which has the function of exchanging indenter and objective lens while testing, and automatically locating the testing point in high precision;

►Large LCD digital displaying screen；

►Equiped with inside printer;

►Selectable for scales HV，HK, testing force, and dwell time;

►Automatically calculate and display testing hardness value, exchangeable among different hardness values;

►Modify hardness value error by software input, make it more accuracy for requirement;

►Automatically save testing result, and then deal with and print it out;

►Equips with RS-232 data port, suitable to connect to PC.

Specification:

Model	DHV-1000MD
Testing 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)
Carried Standard	GBT4340.1，GBT4340.2，ASTM_E92
Min. Testing Unit	0.031μm
Exchange Scales	HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Testing Range	8~2900HV
Force Control Mode	(Automatic) Loading, Dwell, Unloading
Magnification of 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，Inside Printer and RS-232 port
Specimens Max. Height	80mm
Specimens Max. Depth	95mm
Power Supply	AC220V±5%，50-60Hz
Dimension	58*37*84cm
Packing Weight	65Kg

Standard Packing Accessories：

Items	Qty.	Items	Qty.
Weights Roller	1	Weight	6
Crossing Shape Testing Platform	1	Thin Specimens Testing Platform	1
Flat Forcipate Testing Platform	1	Filament Testing Platform	1
Screwdriver	2	Bolt Adjustor	4
Horizontal Scroll Bar	1	10X Testing Eyepiece	1
Standard Vickers Block (high、low)	1 each	Fuse (2A)	2
Power Cable	1	Quality Certificate	1
User's Manual Book	1		

Optional Accessories:

►**Knoop Indentor**:Used to test material with high hardness.

►**Jig and Planisher**.

►**15X Testing Eyepice.**

►**Digital X-Y platform:digital accuracy for location X,Y:1um.**

►**Various Vickers Block(with authority certificate).**

►**Vickers Hardness Indentation Displaying Device**: A kind of screen which can display on it the vickers,micro vicker,or brinell hardness indentation so as to make sure its distribution, insteading of eyepiece abservaton.

►**Vicker hardness testing software**:processing software which clearly show the indentation on PC,and then measuring automatically or manually.