

HTMV-1000AD Automatic Turret Digital Display Micro-Vickers Hardness Tester



Application:

Suitable for ferrous metal, non-ferrous metals, IC thin sections, coatings, ply-metals; glass, ceramics, agate, precious stones, thin plastic sections etc.; hardness testing such as that on the depth and the trapezium of the carbonized layers and quench hardened layers.

Features:

1. One-time casting aluminum machine body with car painting technology, structure more stable and appearance more decent.
2. Digital 10X eyepiece with inbuilt encoder, click the encoder machine will automatic get indentation diagonal length data D1 & D2, no need manual input data into machine, greatly improved testing accuracy and working efficiency.
3. With LCD screen digital display, directly display hardness value, dwell time, conversion hardness value, etc.
4. Menu structure interface, easy operation.
5. With HV / HK test function (if need HK test function, optional purchase Knoop diamond indenter and standard Knoop hardness blocks).
6. With built-in printer, test result can be printed out directly.
7. With RS232 communication port, purchase our data transfer software via RS232 port can save test data to computer and by software can control machine (for Automatic turret machine)
8. Double optical path design. Both eyepiece and CCD camera path can work at same time. No need switch optical path. Camera can be install inside machine (camera for optional purchase).

Technical Parameters:

Model	KASON HTMV-1000AD
Turret	Automatic turret

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)
Hardness scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Measurement resolution	0.01μm
Exchange Scales	HRA、HRB、HRC、HRD、HRF、HV、HK、HBW、HR15N、HR30N、HR45N、HR15T、HR30T、HR45T
Measuring range	5~3000HV
Data display	LCD display
Data output	Built-in printer and rs-232 interface
Maximum height allowed for testing	90mm
Throat depth	95mm
X-Y table	Dimension: 100x100mm Max movement: 25x25mm
Force loading type	Automatic(loading, dwelling,unloading)
Magnification	<p>Eyepiece: 10X; Objective: 10X (observation use); 40X (measuring use)</p> <p>Total: 100X (observation); 400X (Measuring)</p>
Test load dwell time	1~99s
power supply	AC220V+5%, 50-60Hz
Machine size	405*290*480mm;Net weight: 45kg
Package size	610*430*820mm; Gross weight: 53.2kg

Standard configuration:

Item	Q'ty	Item	Q'ty
Weight shaft	1	Weights	6
X-Y Cross clamping testing table	1	Flat clamping testing table	1
Filament clamping testing table	1	Thin Specimen Testing Table	1
Printer paper	1	Level adjustment screw	4
Gradienter	1	Objective 10X, 40X	1+1
Micro Vickers hardness block	2	Eyepiece 10X	1
Dust-proof cover	1	Screw driver	2
Power cable	1	Fuse (2A)	2
Manual	1	Product Certificate	1
Accessory box	1		