

AUTOMATIC MICRO-VICKER HARDNESS TESTER

FEATURE

- Automatic focus, automatic hardness testing and measurement. Side touch screen panel can connect with internet through wifi, and can work together with wireless keyboard and mouse.
- Integrated hardness tester, image process system, hardness measurement software system and computer system in one, more scientific and concise structure, and more easier operation.
- Equipped with double touch screen. Double insurance of stable working performance. On front touch screen panel can do testing and measurement by machine independently; On side touch screen panel can do automatic measure or manual measure by software. Even one of the screen was damage machine still can running normally.
- On side panel touch screen can control machine turret. Press 'start' key on side touch screen, machine will automatic working and indentation will display on screen directly.
- Machine support automatic indentation measuring or Manual measuring work mode. And on test report can display case depth, hardness curve, hardness value, conversion value, test force, dwell time, indentation image, etc.



Slice holder



10X digital eyepiece



Vise

Standard delivery	Qty	Code
Main unit	1	IHV-1000TS
Vicker indenter	1	IHV-IND-VIC
Eyepiece 10X	1	IHV-EY10
10X objective lens	1	IHV-OB10X
40X objective lens		IHV-OB40X
Slice holder	1	IHV-HOL1
Vise	1	IHV-HOL2
Cylinder holder	1	IHV-HOL3
Micro-Vicker hardness block	2	HVB-seri *
Dust proof cover	1	-
XY platform	1	IHV-XY
Inspection Certificate (Manufacture)	1	-



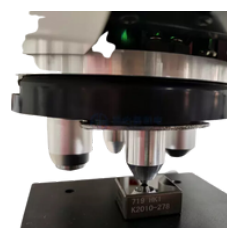
XY platform



Cylinder holder



Vicker indenter



Objective on turret

SPECIFICATIONS

Model	IHV-1000TS
Measurement method	Vicker method, Knoop Method
Standard	GB/T4340, ASTM E384 & E92, EN-ISO 6507, JIS B-7734
Test force	10g (0.098N), 25g (0.245N), 50g (0.49N), 100g (0.98N), 200g (1.96N), 300g (2.94N), 500g (4.9N), 1000g (9.8N)
Hardness value range	5HV-3000HV
Hardness scale	HV0.01, HV0.025, HV0.05, HV0.1, HV0.2, HV0.3, HV0.5, HV1
Hardness conversion scale	HRA, HRB, HRC, HRD, HRF, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T HV, HK, HBW
Length measure resolution	0.01μm
Light Source	LED Cold light source
Dwell time	1-99s
Test space	100*100
Output Data	LCD touch screen, RS-232, built-in printer
Magnification	10X (objective), 40X (measurement)
Loading Method	Automatic
Indenter	Standard Rectangular pyramid diamond indenter (136°±0.5°)
Power supply	220V ± 5%, 50/60 Hz (110V is available)

Options for IHV-1000TS	Code
Camera and software (automatic measurement functions)	IHV-SW1000A
Knoop indenter	IHV-IND-KNOPP
XY platform with digital micrometer head	IHV-XY01
Computer setup software (order together with IHV-SW1000A)	701-IHV-PC
Printer	700-IHV-PRI

