



MICRO HARDNESS TESTER (TOUCH SCREEN)

Hardness Test

The hardness tester is designed with precision, electrically controlled by CPU, have high-definition optical measurement system and photoelectric sensing. The operation is input by the touch key on the panel, which can preset the test force and load time, select the test method, adjust the strength of the measuring light source and other functions. Also can display the measurement of indentation length, hardness value, measurement times. On the LCD liquid screen, and output through the printer, but also through the RS232 interface and computer networking. The hardness tester can also be configured with CCD devices and camera devices according to the special needs of users.

Technical Specifications :

Model Number	CL 6004 X / 008
Display Method	LCD Display
Distance from indenter to machine wall	105 mm
Max. Height of Specimen	90 mm
Power	AC 220V $\pm 5\%$, 50 / 60 Hz
Product Dimension	490 x 340 x 570 mm
Weight	40 kg

Set Consists Of :

Model Number	Parts Description	Qty
CL 6004 X / 008 – P001	CCD Camera	1set

Technical Parameter :

Test Force	Gf	10gf, 25gf, 50gf, 100gf, 200gf, 300gf, 500gf, 1000gf
	N	0.098N, 0.246N, 0.49N, 0.98N, 1.96N, 2.94N, 4.90N, 9.80N
Hardness Measurement Range		5 HV ~ 3000 HV
Hardness Value Resolution		0.1 HV
Min. Test Unit / Accuracy		0.1um (can be adjust to 0.01um)
Measurement Revolution		0.03125 um
Test Mode		HV / HK
Test Force Application Method		Automatic (Loading / Dwelling / Unloading)
Objective & Indenter Switching		Automatic
Conversion Ruler		HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HBS HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Objective Lens		10× (Observation) , 40× (Measurement)
Eyepiece		10× reading micrometer
Total Magnification		100×, 400×
Dwelling Time		1 ~ 60s
Light Source		Halogen Light Source
Data Output		Touch Screen Readout, Built-in Printer
X-Y Test Bench		Size: 100 × 100 mm ; Distance of Travel: 25 × 25 mm ; Resolution: 0.01 mm
Standards		ISO 6507, ASTM E384 JIS Z2244 GB / T4340.2

Standard Configuration :

Name	Qty	Name	Qty
Main Machine	1set	10x Digital Micrometer	1pc
Diamond Indenter	1pc	10x, 40x Objective Lens	1ea
Cross Test Bench	1pc	Sheet Holding Table	1pc
Flat Clamping Table	1pc	Filament Clamping Table	1pc
Standard Hardness Block 400 ~ 500 HV 0.2	1pc	Standard Hardness Block 700 ~ 800 HV1	1pc
Standard Weight	6pcs	Weight Shaft	1pc
Adjust Feet	4pcs	Level	1pc
Fuse 2A	2pcs	Power Cord	1pc
Dust Cover	1pcs	Screwdriver	2pcs
Manual	1share	Product Certificate	1share