ANALOGUE MICRO HARDNESS TESTER

STANDARD

ISO 6507, ASTM E384

RoboTest Micro Hardness Tester RH-1000/2000 series used to determine micro hardness of finished surface of small-size or sheet-like parts, micro hardness of superficial layers such as electroplated, carburized and nitride layers, and micro hardness of brittle materials such as agate, ceramics and other non-metallic materials. RH-1000/2000 series can be also used to examine and take photograph of microstructure of materials and to determine micro hardness of the phase structure for analytical purpose.

FEATURES

- ➢ Innovative design of control buttons and LCD display.
- ➢ Auto motorized turret.
- ➢ Easy to set and visualize hardness scale (HV or HK)
- ➢ Selection of force unit (gf or N) and force duration
- ➢ Adjustment of the brightness of illuminating lamp
- ➢ Built in printer
- ➢ Automatic load control

TECHNICAL SPECIFICATION

Model	RH-1000/2000 series
Lens/Indenter switch	With Motorized Turret
Test force	9.807, 4.903, 2.942, 1.961, 0.9807, 0.4903, 0.2452, 0.0981 N 1000, 500, 300, 200, 100, 50, 25, 10 gf
Loading mode	Program-controlled application, duration and removal of load
Duration time	5 – 60 sec selectable, (In step of) 5 sec.
Measuring range	5 HV – 3000 HV
Microscope	Objective: 40x; 10x（For observation only, Eyepiece: 15x
Min. detection	0.025/0.05 µm
Optical path	Measurement / Photo switch
Measuring mode	After taking the D1(D2) from eyepiece micrometer and entering them, the hardness value is displayed on LCD and the data can be printed out.
Max..test height	85 mm
Standard attachments	Objective 40x, 10x (Installed on tester) X-Y Worktable (Installed on tester) Vickers indenter (Installed on tester) Standard hardness block (700HV & 400HV) Sheet specimen clamp Thin cylinder clamp Parallel-jaw vice Built-in printer (Installed on tester)
Power supply	220VAC 50Hz or 110VAC 60Hz

Options	
Weight	19.61N / 2000gf
Software	MH_VK Hardness test software, including: CD for MH_VK software, Picture capture card, CCD camera & adaptor, Connecting tube, MicroDog, Manual & Installing Instruction for MH_VK
On the turret	two indenters (Vickers & Knoop indenters)