DIGITAL MICRO HARDNESS TESTER

STANDARD

ISO 6507, ASTM E384

RoboTest Micro Hardness Tester RHD-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.

www.robotestint.com
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FEATURES

- **Digital Eyepiece Micrometer**
- 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

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TECHNICAL SPECIFICATION

Type	RHD-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	5 - 60 sec, selectable, In step of 5 sec.
Measuring range	5 HV – 3000 HV
Measuring Microscope	Objective: 40x; 10x（for observation only）, Eyepiece: 15x Total: 600x; 150x（For observation only）
Optical path	Measurement / Photo switch
Min. detection	0.025/0.05 μm
On the turret equipped with	two indenters (Vickers & Knoop indenters) and two objectives (40x & 10x)
Reading mode	Measurement with the eyepiece and the hardness value is displayed on LCD.
Data output	On LCD display : Load, Dwell, D1, D2, H values, Min, Max, Average, Divergence, S deviation, Converted HRC, HRA, HRB, and H gradient graph.
Max. test height	85 mm
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)