

VX SERIES VICKERS HARDNESS TESTERS



Accurate and reliable Vickers hardness testers built to conform to ISO 6507 and ASTM E384.

High Accuracy

- Conforms to ISO 6507 and ASTM E384
- Microscope optics for superior clarity

Automatic Operation

- Measuring microscope with integrated electronic caliper, digital reading and automatic conversion to hardness value
- Digital control and read-out: test cycle, dwell time, turret rotation, hardness conversion, batch count and current lens

Rich Functionality

- Multiple optical paths
- Optional photo-port, auto-turret rotation, auto-stage and control box

Vickers

Hardness

Testing Equipment

VX SERIES MICRO-VICKERS HARDNESS TESTERS

General Specifications: Hardness Scales Test Load Maximum Specimen Height Maximum Specimen Depth Dimensions Weight Power Supply Accuracy	HV conversion to HRC Model A 50, 30, 20, 10, 5, 3, 2, 1 Kgf Model B 30, 20, 10, 5, 3, 1Kgf 500, 300gf 190mm 160mm 1260mm (w) x 560mm (d) x 680mm (h) 72Kg approximately Single phase AC 200-240v 50/60 Hz Conforms to international standards ISO 6507 and ASTM E92
Operation: Indenter Operation Dwell Time Turret Rotation Test Load Adjustment	Automatic load and retract according to dwell time, movement speed 20 µm/s Digital control adjustable 5-99 seconds Manual (VX7), Automatic (VX8) Via rotation of graduated handle
Optics: Measurement Objective Lenses interchangeable Magnification (measurement) Maximum Measured Length Minimum Measured Unit Light Source Light Operation	Via integral electronic calliper with automatic display and conversion Model A: 10x Model B: 10x and 20x Model A: 100x Model B: 100x and 200x 800µm at 100x 400µm at 200x 0.1µm 12V 50W Adjustable illuminator internal to optical path
Output: Control Panel Diode Display Direct Data Output Printer Output Photographic	D1, D2, HV, HRC (conversion), dwell time, batch count, current lenses Via integral RS232 port Via integral parallel port: test results and batch statistics, max, min, mean, range, standard deviation range, standard deviation Via optional photo port

Standard Accessories: Built in measuring microscope with electronic calipers X-Y Stage Precision vice Diamond indenter Objective lens 10x and 40x (built in) Machine cover Spare light bulb Power cord Instruction manual	Optional Accessories Printer software, deskjet printer Irregular sample vice Universal incline holder and mounting press Automatic stage and control box and other accessories (see full quotation)
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