



NEXUS 6000 MASTER

Rockwell Hardness Tester

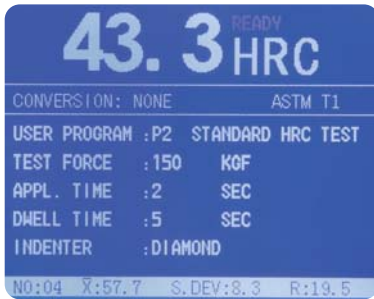




NEXUS 6000 MASTER
LOAD CELL, CLOSED LOOP, ROCKWELL/SUPERFICIAL ROCKWELL

FEATURES

- Rockwell and Superficial Rockwell, with enhanced accuracy, suitable to use for tasks in certified environment such as damage research, production of hardness test blocks and other top specification tasks.
- Load cell, closed loop, force feedback system, guaranteeing that pre- and main load are applied with absolute accuracy, no variety between testers and independence of the operator skills
- Enhanced force accuracy & enhanced depth reading accuracy
- Simultaneous conversion to HV, HB and other HR scales
- Rugged fine casted frame with large workpiece accommodation
- ASTM, DIN-EN-ISO, JIS compliant
- Superior depth measuring system through high precision Heidenhain (Germany) glass scale
- No elevating screw, simplifies test operation and enhances accuracy
- Storage of 50 test programs and tester settings, allowing you to set up your tester in just seconds
- Continuous automatic "online" statistics, such as average of readings, standard deviation, etc.
- Storage of 20,000 single hardness values
- Go/No Go mode, convex and concave measuring mode, calibration date expired (reminder)
- Service mode including tests counter, maintenance system
- Prints statistics to built-in printer or external printer
- Connects with PC or SPC network via built-in bi-directional RS-232C connector



STANDARD DELIVERY

- Built-in printer
- Data output RS-232C
- Diamond Rockwell indenter
- Rockwell ball indenter 1/16"
- Rockwell testing balls
- Flat anvil ø60mm
- Testing table large ø150mm
- V-anvil ø40mm
- Hardness test blocks: ±60 HRC, ±40 HRC, ±85 HRB
- Power cable
- Spare fuse
- Adjustable feet (4 Pcs)
- Spindle protection cover
- Machine cover
- Solid accessories case
- INNOVATEST® certificate
- User and installation manual

TECHNICAL SPECIFICATIONS

Rockwell scales	
Standard	A, B, C, D, E, F, G, H, K, L, M, P, R, V
Superficial	15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y
Conversion to	HV, HB, other HR scales
Hardness resolution	0.1 & 0.01 of a Rockwell unit
Pre-load	3kgf / 10kgf
Main loads	15, 30, 45, 60, 100, 150kg through controlled closed loop system
Workpiece detection	Fully automatic
Pre-load application	Fully automatic
Test load application	Fully automatic
Test force tolerance	<0.5%
Depth meas. resolution	0.0001mm
Data output	Built-in high speed printer & RS-232C
LCD Display	Hardness value, conversion value, test force indicator, dwell time, memory contents, all machine settings, Go/No Go, all statistics, and many more
Specimen accommodation	Vertical space 250mm; Horizontal space (from center of elevator shaft) 220mm
Power supply	110/240V, 50 – 60Hz
Machine dimensions	Approx. 940mm x 390mm x 670mm (HxWxD)
Machine weight	Approx. 120kg

OPTIONAL ACCESSORIES

- Computer controlled auto traversing option
- Reference hardness blocks
- Certified indentors & balls
- Pedestal spot anvil
- Heavy load testing tables
- Clamping and indenter protection nose
- Special support systems for large workpieces
- Tester stand with cabinet

OPTIONAL JOMINY & X-Y STAGES



Motorized stages for jominy or coordinate pattern testing on the 6000. Fully automatic systems with database structures.

IMPRESSIONS™ INNOVATEST® leading hardness testing software.

ORDER DETAILS

NEXUS 6000 MASTER Closed Loop, Rockwell / Superficial Rockwell



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