

NEXUS 3200

Brinell Hardness Tester

SEMI-AUTOMATIC



SPECIFICATIONS

Hardness scales	Brinell
Load application	Load cell, closed loop, force feedback
Load range	62.5kgf - 3000kgf
Brinell microscope	BIOS Brinell Indent Optical Scanner (BIOS-1, BIOS-2)
Electronic system	High performance embedded micro system controller, MS Windows®, automatic and manual measurement
Software	IMPRESSIONS™ LT No. of tests, Mean, St. Deviation, Min., Max., Range, CP, CPk, individual readings list, storage memory, Dwell time, test force setting, scale selection, calibration etc.
Hardness conversion	Rockwell, Vickers, Brinell, Leeb and Tensile 2 scales simultaneously
Brinell scales	HBW 2.5/62.5, HBW 2.5/187.5, HBW 5/62.5, HBW 5/125, HBW 5/250, HBW 5/750, HBW 10/100, HBW 10/125, HBW 10/250, HBW 10/500, HBW 10/1000, HBW 10/1500, HBW 10/3000
Dwell time setting	Default 10 seconds, user defined 1 to 99 seconds
Indenters	Certified indenters (ISO / ASTM) available at choice
Test procedures	Automatic, loading, dwell/unloading
Standards	Complies to or exceeds, ISO, ASTM, JIS (Nadcap) standards
Statistics	Total tests, max, min, average, range, standard deviation, all in real time after each test
Test force tolerance	<0.5%
Display resolution	6.5" full color touchscreen, embedded
Working height / throat depth	220mm / 220mm
Connectivity	USB (4), UTP-RJ45-LAN, W-LAN, RS232
Operating temperature	10°C to 35°C, non-condensing
Humidity	10% to 90% non-condensing
Machine dimensions	190mm x 617mm x 790mm
Machine weight	130 kg
Power supply	100V AC to 240V AC, 50Hz/60Hz, single phase

STANDARD DELIVERY

- Brinell Indent Optical Scanner (UN-BIOS1) for indents from 1.6 to 6mm made with 5mm or 10mm ball indenter
- Wireless mouse and keyboard
- Fuse 2A (3 pcs)
- Power cable
- Four adjustable vibration dampers

OPTIONAL ACCESSORIES & FEATURES

- Certified indenters (ASTM, DIN, ISO)
- Brinell indent optical scanners
- Certified reference hardness blocks (ASTM, DIN, ISO)
- Large testing table, 350mm x 250mm, with T-slots
- Extra large testing table, 450mm x 350mm, with T-slots
- Custom anvils & testing tables
- Spring loaded workpiece clamping system