

DOLPHIN NOSE INDENTER DIGITAL TOUCH SCREEN ROCKWELL HARDNESS TESTER

DESCRIPTION:-

Brinell Hardness Testing machine with optical device. Basic machine design and operation is similar to Hydraulic Brinell Hardness tester with built in optical device with 14X magnification provided in front to project diameter of ball impression on glass screen with a micrometer measuring system with 0.01mm least count.

In this machine the indenter swivels and projects diameter of ball impression immediately after unloading operation which avoids additional time for measurement of ball impression. This is a production testing machine and is suitable for foundry, forging shops, heat treatment shops, engineering institutions etc.



APPLICATION: -

- Quality control of Industrial production (machinery manufacturing, metallurgy plants, etc.) ⊗ Research & Inspection of Inspection Institution and universities laboratories.
- Ferrous and nonferrous metals, Hardened steel, tempered steel, annealed steel, hardened steel, sheet of various thicknesses, carbide materials, powder metallurgy materials, hardness and thermal spray coating.

FEATURES: -

- With standard Rockwell hardness scales HRA, HRB, HRC, etc. With hardness conversion function.
- Touch screen control, on touch screen can select test force and hardness scale directly.
- Close loop load cell structure, no need install dead weights, easy installation and operation.
- USB interface can save test data to U-flash directly in Excel format
- Test force 60/100/150kgf
- Test space: 250 * 300mm (Throat depth*H)

Dolphin Nose Indenter (Nose mounted indenter)

allows access to awkward to reach test points:

- 1) Ring shape material
- 2) Tubular material
- 3) Screw corner
- 4) Bearing corner, etc.



**TECHNICAL SPECIFICATIONS:**

Model No.	DRH-150NT
Test force (error < 0.5%)	60kgf (588.4N), 100kgf (980.7N), 150kgf (1471N); Initial force: 10kgf (98N)
Rockwell Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HRL, HRM, HRR, HRP, HRS, HRV
Superficial Rockwell scale	15N, 15T, 15W, 15X, 15Y, 30N, 30T, 30W, 30X, 30Y, 45N, 45T, 45W, 45X, 45Y
Conversion scales	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Rockwell Testing range	HRA:20-88 HRB:20-100 HRC:20-70 HRD:40-77 HRE:70-100 HRF:60-100 HRG:30-94 HRH:80-100 HRK:40-100 HRL:100-120 HRM:85-115 HRR:114-125
Dwell time	0-99s
Display of Hardness Value	Touch LCD screen
Test accuracy	0.1HR
Executive standard	BSEN 6508, ISO 6508, ASTM E18, GB/T230
Data output	USB flash disk (Excel format)
Power supply	AC220±5%, 50-60Hz
Test space	Max. Height: 300mm; Throat depth: 250mm
Machine size	720*260*840mm
Net weight	80kg

STANDARD ACCESSORIES:

Item	Q'ty	Item	Q'ty
Diamond Rockwell indenter	1	Ø1.5875mm Ball indenter	1
Hardness block (HRC high / low, HRB)	3	Large, medium, V-type working table	1 for each
USB flash disk	1	Touch screen pen	1
Fuse 2A	2	Horizontal adjustment screw	4
Power cable	1	Product Certificate, warranty card, manual book	1 for each



Tester

Product Name

Radio of Curvature

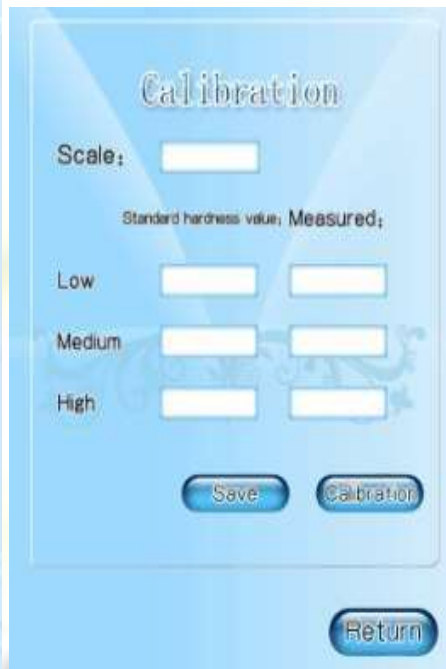
Range To

Hardness type

Conversion type Conversion Value

Dwell Time(S)

Hardness value



Calibration

Scale:

Standard hardness value, Measured:

Low

Medium

High



Force Calibration

Standard: kg

Measured: kg

Setting Max-Min limit

Hardness value calibration

Test force calibration