



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

DOLPHIN NOSE INDENTER DIGITAL TOUCH SCREEN ROCKWELL HARDNESS TESTER

- **VALUE**
- **VERSATILITY**
- **PERFORMANCE**



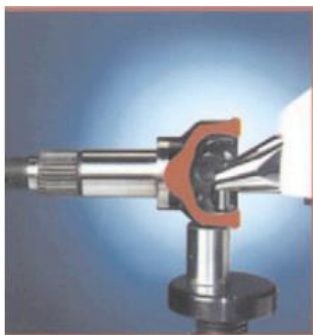
BR-150NT

**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.

**Inspection Institution****Test Laboratories****Industrial QC control****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)

**Measuring of the inner contact surface of a cardan shaft driver****Measuring of the inner contact surface of a bearing's outer ring****Measuring of the contact surface of a high strength screw****Preparation to measure inside of a gear box part**



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.



Indenter fixturing enables hardness tests on locations which are difficult to access:

TECHNICAL SPECIFICATION:

Model No.	BR-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 (Optional)	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 Name	Q'ty	Item Name	Q'ty
Diamond Rockwell Indenter	1 pc	Ø1.5875mm Ball Indenter	1 pc
Hardness Block (HRC High / Low, HRB)	3 pc	Large, Medium, V-Type Working Table	1 pc
USB Flash Disk	1 pc	Touch Screen Pen	1 pc
Fuse 2A	2 pc	Horizontal Adjustment Screw	4 pc
Power Cable	1 pc	Warranty Card, Manual Book	1 pc

Setting Max-Min limit**Hardness value calibration****Test force calibration**

* Due to continuous product development, Image & specification can be upgrade.