



DIGITAL ROCKWELL HARDNESS TESTER (DOLPHIN-NOSE TYPE)



- Specially designed head horizontally protruding, it can measure the hardness of tubular parts which can not be measured by general hardness testers, the minimum inner diameter of test piece is 25mm.
- Automatic "fool" type operation, only one key operation to get result, no need for artificial preload applying, which can avoid human error.
- The touch screen interface, easy to operate, multi-language version
- Electric loading without weights, closed-loop control, no need for installation.
- Test force can be automatically corrected by standard force meter.
- Automatically apply the initial load and main load.
- All Rockwell scales, total 15 types.
- For all Rockwell scales, hardness value is automatically corrected in high, medium and low three sections.
- Set password to protect setting parameters; keeping more samples and test information.
- More information of sample and testing. Data stored in USB flash disk, EXCEL format, easy for editing and processing.
- Powerful data processing functions. Various hardness scales conversion of HR, HB, HV etc. Acceptable range setting, over-range alert, operator name and sample name input etc.
- Modular design, easy maintenance.
- Modern and beautiful appearance, stable structure.
- According to GB/T230.2, ISO 6508-2 and ASTM E18.

APPLICATIONS:

Industrial production, Inspection of product quality on processing technology. 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. Sheet metal, thin-walled pipe, hardened steel, and small parts of hardness. Widely used in machinery manufacturing, metallurgy plants, universities, laboratories, etc.

Main interface

Convert scale (15 units)

Data storage interface

Automatic calibration

Specification

Model	DHR-T100
Measurement method	Rockwell
Hardness scale	HRA, HRB, HRC, HRD, HRE, HRF, HRC, HRH, HRK
Measurement range	HRA:20-95, HRBW:10-100, HRC:20-70, HRD:40-77, HRF:60-100, HRC:30-94, HRH:80-100, HRK:40-100
Preliminary test force	10kgf (98.07N)
Test force	60kgf (588N), 100kgf (980N), 150kgf (1471N)
Stage elevation	Manual
Load/unload/dwell	Automatic
Load dwell time	1-99s (directly adjust)
Resolution	0.1HR
Display	Touchable Large LCD screen display
Data output	USB Flash Disk
Max. workpiece height	300mm
Power supply	220V, 50/60Hz
Weight	80kg

Standard delivery	Qty
Main unit	1
HRC indenter	1
HRB indenter	1
Anvil set (small, large, V-type)	1
Hardness block HRA	1
Hardness block HRB	1
Hardness block HRC (low - medium - high)	3
Plastic dustproof cover	1
Inspection Certificate (Manufacture)	1



Optional accessories

Optional accessories	Model
HRC indenter	I-HRC
HRB indenter	I-HRB
Hardness block HRC (20-30)	IBR-HRC1
Hardness block HRC (40-50)	IBR-HRC2
Hardness block HRC (60-70)	IBR-HRC3

Optional accessories	Model
Hardness block HRB (80-100)	IBR-HRB
Hardness block HRA (65-75)	IBR-HRA1
Hardness block HRA (75-85)	IBR-HRA2
Hardness block HRA (85-100)	IBR-HRA3