



B.N.C.TOOLING Co.,Ltd.

BNCTOOLING.COM
BNCTOOLINGSHOP.COM

69/90 Hatairat Rd., Minburi ,Minburi Bangkok (Thailand) 10510



Vision Measuring Machine

Automatic Rockwell Hardness Tester

iRock-DR1/DS1/TR1

Model	iRock-DR1/DS1/TR1
Code#	811-330
Standard	GB/T230.2, EN-ISO 6508, ASTM E-18
Certificate	CE



Introduction

- A kind of Full-auto Intelligent Digital Rockwell Hardness Tester, available to test Rockwell and Superficial Rockwell hardness automatically.
- One-key operation, auto lifting, auto load-change, auto loading/dwell/unloading, auto conversion, auto testing.
- Equipped with friendly operation interface, 5.2" color touch screen directly display test force, dwell time, conversion value, indenter type, etc.
- Auto calculating and displaying test result, Max, Min, Ave, and hardness deviation. Resolution is 0.1HR.
- Available to set up upper and lower limit, with the function of over-error warning, data analysis chart, single test and group test.
- With software compensation function, available to compensate $\pm 3\text{HR}$, need not mechanical adjustment.
- With function of auto conversion according to ASTM E140, without checking hardness contrast table.
- Available to switch languages.: Chinese, English, German, Portuguese, Turkish, Czech, Korean.
- Available to save 2000 single test results and 1000 group test results. Can realize data viewing and analysis
- With optional wireless Bluetooth printer, there is no need to record results and report by hand.
- With optional data analysis software and Bluetooth receiver to input and analyze data.
- Support FexQMS data analysis and control software, improve integral control and decrease material consumption.



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Specification

Product Name	Automatic Rockwell Hardness Tester	Automatic Superficial Rockwell Hardness Tester	Automatic Twin Rockwell Hardness Tester
Model	iRock-DR1	iRock-SR1	iRock-TR1
Code #	811-330	811-340	811-350
Preliminary Test Force	10Kgf(98.1N)	3Kgf(29.4N)	3Kgf(29.4N);10Kgf(98.1N)
Total Test Force	60Kgf(588.4N), 100Kgf(980.7N), 150Kgf(1471N)	15Kgf(147.1N), 30Kgf (294.3N), 45Kgf(441.3N)	15Kgf(147.1N) 30Kgf(294.3N), 45Kgf(441.3N); 60Kgf(588.4N), 100Kgf(980.7N), 150Kgf(1471N)
Rockwell Scale	DR1: HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK,HRL, HRM, HRP, HRR, HRS, HRV		
Superficial Rockwell Scale	DS1: HR15N,HR30N,HR45N; HR15T,HR30T,HR45T; HR15X,HR30X,HR45X;HR15Y,HR30Y,HR45Y		
Full Rockwell Scale	TR1: HRA, HRB, HRC, HRD, HRE, HRF, ;15T,30T,45T;15T,30T,45T; 15N,30N,45N, etc		
Dwell Time	1-60s adjustable		
Display Screen	5.2 "Color touch screen; Resolution : 640*480		
Resolution	0.1HR		
Loading Mode	Auto loading/dwell/unloading		
Conversion Scale	HV、HBS、HBW、HK		
Conversion Standard	ASTM,DIN		
Language	Chinese、English、German、Portuguese、Turkish、Czech、Korean		
Software Correction	-3.0HR ~ +3.0HR, step value 0.1HR		
Data Processing	2000 group single dat, line chart of group data function; respectively provide single data viewing and group data viewing		
Print	Optional Bluetooth Printer		
Max. Height of Specimen	280mm		
Throat	170mm		
Power Supply	AC 220V/50Hz; AC110V/60Hz		
Dimension	615 x 225x 885mm		
Packing Dimension	670×440×1000mm		
Net Weight /Gross	125Kg/140Kg		
Execution standard	GB/T230.2, EN-ISO 6508, ASTM E-18		