

Full-Auto Rockwell Hardness Tester

iRock Series

One Touch
Operation

Auto
Load Change

Auto
Lifting

Auto
Loading

Auto
Measuring

Auto
Conversion

Data
Transmission



+ Features

- 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.



+ Specifications

Product Name	Auto Rockwell Hardness Tester	Full-auto Superficial Rockwell Hardness Tester	Full-auto 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)
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 Scales	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK,HRL, HRM, HRP,HRR, HRS, HRV		
Superficial Rockwell Scale	15T,30T,45T;15W,30W,45W;15X,30X,45X;15Y,30Y,45Y;15N,30N,45N		
Full Rockwell Scale	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK,HRL, HRM, HRP,HRR, HRS, HRV;15T,30T,45T;15W,30W,45W;15X,30X,45X;15Y,30Y,45Y;15N,30N,45N		
Display	5.2 " Color touch screen; Resolution : 640*480		
Dwell Time	Adjustable 1-60s		
Software Correction	-3.0HR ~ +3.0HR, step value 0.1HR		
Resolution	0.1HR		
Loading Control	Auto loading/dwell/unloading		
Conversion Standard	ASTM, DIN		
Conversion Scale	HRC、HRB、HRA、HV、HK、HBW,etc		
Language	Chinese,English,German,Portuguese,Turkish,Czech,Korean		
Data Processing	2000 group single dat, line chart of group data function; respectively provide single data viewing and group data viewing		
Print	Optional wireless printer		
Max Height of Specimen	280mm		
Instrument Throat	170mm		
Power Supply	AC 220V/50Hz;AC110V/60Hz		
Dimension	615x225x885mm		
Packing Dimension	670x440x1000 (mm)		
Gross/Net Weight	140Kg/125Kg		
Execution Standard	GB/T230.2, JIS Z2245, EN-ISO 6508 , ASTM E-18		