

Advanced Digital Twin Rockwell Hardness Tester

SHR-N Series

+ Features

- Twin tester--Regular Rockwell & Rockwell Superficial hardness for metal and plastic material.
- Horizontal protrudent indenter design, also suitable for internal and external testing.
- Testing on surfaces difficult to reach. Testing internal surface of rings and tubes with diameters over 23mm.
- Testing force is set automatically according to testing scale.
- Provided with many features such as high measuring precision, wide measuring range with 30 Rockwell scales.
- Measuring results are digitally displayed and can be printed, or transmitted to external computer automatically by USB or RS-232 cable.
- Test value can be transformed to the value of HB, HV, HK and σ_b value.
- The tester meets all the following standard such as ISO 6508-2, ASTM E18.



+ Specifications

Product Name	Rockwell Hardness Tester	Superficial Rockwell Hardness Tester	Twin Rockwell Hardness Tester
Model	SHR-150N	SHR-45N	SHR-145N
Code#	811-308	811-318	811-328
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;15T,30T,45T;15W,30W,45W;15X,30X,45X;15Y,30Y,45Y;15N,30N,45N		
Data Memory	Max 400 items of test results stored automatically		
Dwell Time	Adjustable 2-60s		
Display	High definition backlight LCD		
Resolution	0.1HR		
Data Output	RS-232		
Loading Control	Auto Loading/Dwell/Unloading		
Hardness Conversion	HRC、HRB、HRA、HV、HK、HBW,etc		
Max Height of Specimen	260mm		
Instrument Throat	150mm		
Dimension	710 x210 x830mm		
Packing Dimension	820 x520 x1000mm		
Power Supply	AC 220V/50Hz;AC110V/60Hz		
Gross/Net Weight	125Kg/95Kg		
Execution Standard	GB/T230.2, JIS Z2245, EN-ISO 6508 , ASTM E-18		

Optional Model : Automatic Rockwell & Superficial Hardness Tester