



NG-RockGen DGEN Series – Digital Rockwell Hardness Tester – Rockwell Regular, Rockwell Superficial and Rockwell TWIN Digital Models

Standards: [ASTM E18](#)



ULTIMATE USER-FRIENDLINESS



LEADING DEPENDABILITY AND RELIABILITY



STRICT COMPLIANCE WITH INDUSTRY STANDARDS



STOCKED CONSUMABLES AND SPARES



TRUSTED AFTER SALES TECHNICAL SUPPORT



LIFETIME PRODUCT SUPPORT ADVANTAGE

Description

The NG-RockGen - Digital Rockwell Hardness Tester is designed to test the hardness of metals by determining the depth of penetration of an indenter under a large load compared to the penetration made by a preload according to the Rockwell scale. There are variations of the RockGen DGEN - Digital Rockwell Hardness Tester system for Rockwell Regular scales, Superficial scales as well as a TWIN scales system is capable of both regular and superficial scales. With an easy to navigate operational menu, the RockGen DGEN - Digital Rockwell Hardness Tester provides the solution for any Rockwell testing requirements. With a resolution of 0.001, the system will provide you with the absolute highest accuracy on the market. [Learn everything you need to know about the Rockwell Hardness Test here.](#)



GET A QUOTE

2024 Model Introduction Video



Watch Video



Watch the NG-RockGen DGEN Series – Digital Rockwell Hardness Tester – Rockwell Regular, Rockwell Superficial and Rockwell TWIN Digital Models product video.

[WATCH ON YOUTUBE](#)



Main Function and Features of RockGen DGEN

- High gloss and scratch resistance surface allows the unit to maintain a brand new look even after many years of use
- Large LCD Display for clear visibility of your hardness readings. Removes all aspects of human error.
- Automatic Testing procedures. System will make the indentation and provide the reading automatically.
- The DGEN system provides a high level of repeatability when testing any parts for Rockwell hardness.

Main Application

Chilled steel, hardened and tempered steel, annealed steel, casting, malleable cast, hard alloy, hardened steel plate, aluminum alloy, bearings steel.

2024 Model with Indenter Protector

Technical Specifications

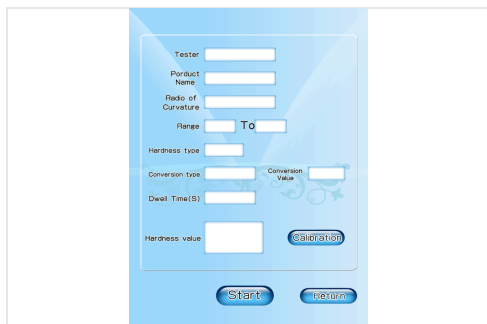
Model	RockGen R-DGEN	RockGen S-DGEN	RockGen TWIN-DGEN
Rockwell Scales	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRR, HRL, HRM and HRK.	HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HRD, HRE, HRF, HRG, HRH, HRR, HRL, HRM and HRK	HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRH, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T
Conversion Scales	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, H15N, H30N, H45N, H15T, H30T, H45T	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, H15N, H30N, H45N, H15T, H30T and H45T	HRA, HRB, HRC, HRD, HRF, HV, HK, HBW, H15N, H30N, H45N, H15T, H30T, H45T
Preliminary Test Force	10kg (98N)	3Kg (29.42N)	10Kg(98.0N), 3Kg (29.42N)



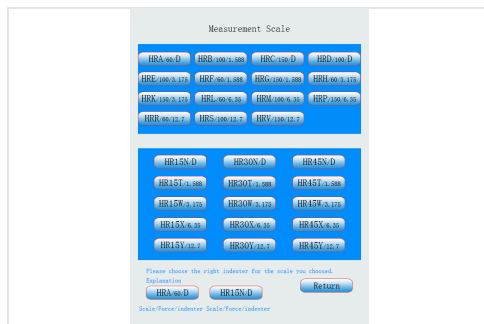
Model	RockGen R-DGEN	RockGen S-DGEN	RockGen TWIN-DGEN
Total Test Force	60kg (588N), 100kg (980N), 150kg (1471N)	15Kg(147.1N), 30Kg(294.2N), 45Kg(441.3N)	60Kg (588N), 100Kg (980N), 150Kg (1471N), 15Kg(147.1N), 30Kg(294.2N), 45Kg(441.3N)
Hardness Data Read	Digital LCD Display		
Data Output	Built in Printer and RS-232 Port		
Maximum Specimen Height	8.5" (21.6cm) Extension Model Available upon Request up to 15.5" (40cm)		
Throat Depth (cm)	15		
Dwell Time (sec)	1 – 60		
Power Supply	110V/60Hz or 220V/50Hz		
Instrument Size (cm) (L x W x H)	18 x 6.2 x 26" (45.7 x 15.7 x 66)		
Instrument Weight	188 lbs (85 kgs)		
Hardness Value Range	HRA: 20-88, HRB:20-100, HRC:20-70	HR15N:70-91, HR30N:42-80, HR45N:20-70, HR15T:73-93, HR30T:43-82, HR45T:12-72	HRA:20-88, HRB:20-100, HRC:20-70, HR15N:70-91, HR30N: 42-80, HR45N:20-70, HR15T:73-93, HR30T:43-82, HR45T:12-72
Reference Standard	ASTM E18 and ISO 6508		



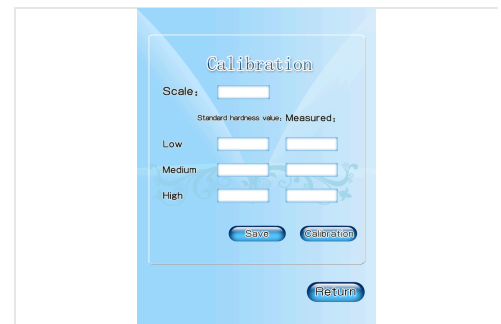
Model	RockGen R-DGEN	RockGen S-DGEN	RockGen TWIN-DGEN
Standard Accessories	Main Hardness Tester, Diamond HRC Rockwell Indenter, HRB 1/16" Diameter Hard Alloy Steel Ball Indenter, Large Testing Flat Anvil, Medium Testing Anvil and V-shaped Testing Anvil (Medium sized), Standard Hardness Blocks x3, Accessory Case, Dust-Proof Cover, Instruction Manual and Certification/Warranty card		



Main interface for the Digital Rockwell hardness tester



Full Rockwell Scales from Regular to Superficial. 30 Scales in Total



This Digital Rockwell Tester offers correction of High, Medium and Low Hardness Numbers



The This Digital Rockwell Tester offers a Automatic Load Correction for Rockwell Hardness testing

Rockwell Hardness Tester Calibration Procedure



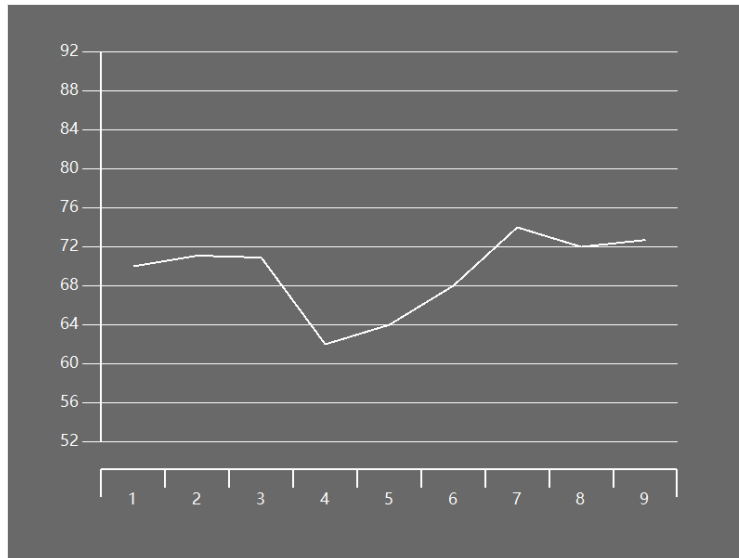
Hardness Test Report

Tester		Date	2021/01/09
Part Name		Part #	
Part Size		Test Standard	
Quality UL		Quality UL	
Test Result			
#	Hardness	Hardness Type	
1	70.1	HRC	
2	71.2	HRC	
3	71.0	HRC	
4	62.1	HR30TW	
5	64.1	HR30TW	
6	68.1	HR30TW	
7	74.1	HRC	
8	72.1	HRC	
9	72.8	HRC	



NEXTGEN MATERIAL TESTING

YOUR QUALITY TESTING CHOICE



Easy to understand and detailed report for the Rockwell hardness testing system

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