



NG-RockGen DGEN-AUTO Series - Fully-Automatic Digital Rockwell Regular and Superficial Hardness Tester with Digital Touch Screen Interface and One-Touch Test Cycle Automation

Standards

ISO 6508, ASTM E18, and GB/T230

Description

This Automatic 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 and Superficial Testing Scales. With an easy to navigate operational menu, the RockGen DGEN-AUTO - 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 combined with a fully automatic work table and user-friendly digital display for the optimal accuracy and efficiency



Main Function and Features of RockGen DGEN

- Rockwell Regular and Superficial Scale Tester
- Supports various relative conversion scales
- Equipped with Arc correction function
- Touch Screen Display Dynamically Displays the Working Table Functionality
- Fast Indentation Cycle
- Once touch operation for a full specimen cycle including loading, dwell and loading as well as hardness value display and automatic homing.
- Data storage function with automatic calculation of the maximum, minimum, average of the hardness value, the test results can be printed for output, and with a RS232 interface the operator can connect it to the computer for data transfer

Main Application

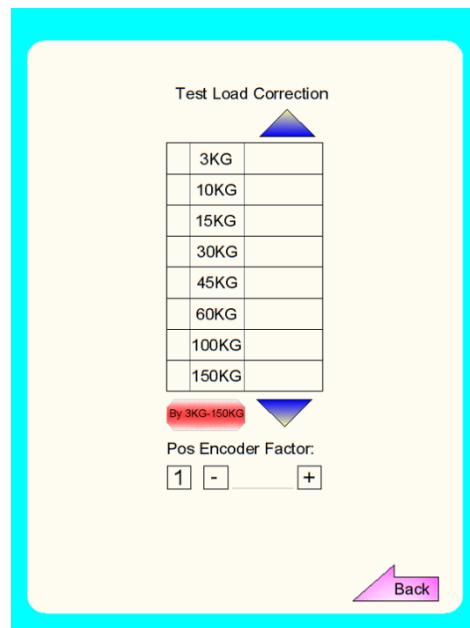
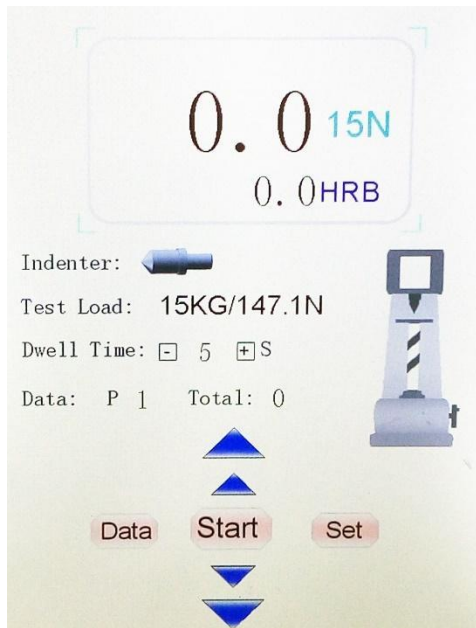
Chilled steel, hardened and tempered steel, annealed steel, casting, malleable cast, hard alloy, hardened steel plate, aluminum alloy, bearings steel.

Technical Specifications

Model	RockGen TWIN DGEN
Rockwell Initial test force	3kgf, 10kgf 29.4N, 98N
Rockwell Total test force	15kgf (147.1N), 30kgf (294.2N), 45kgf (441.3N), 60kgf (588.4N), 100kgf (980.7N), 150kgf (1471N)
Indenter	Diamond Rockwell Indenter, ϕ 1.588mm Ball Indenter

Loading Method	Automatic (Loading/Dwell/Unloading)
Automatic Test Table	Automatic Rising and Homing, One Key to Complete
Hardness Reading	Touch Screen
Test Scale	HRA, HRD, HRC, HRF, HRB, HRG, HRH, HRE, HRK, HRL, HRM, HRP, HRR, HRS, HRV HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45W, HR15X, HR30X, HR45X, HR15Y, HR30Y, HR45Y
Conversion Scale	HV, HK, HRA, HRB, HRC, HRD, HRE, HRF, HRG, HRK, HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HBW
Data Output	Built-in Printer, RS232 Interface
Resolution	0.1HR
Dwell Time	0-99s
Test space	320mm/12.6" x 150mm/5.9 (Height x depth)
Power Supply	AC110V / AC220V, 50Hz
Execute Standard	ISO 6508, ASTM E-18, JIS Z2245, GB/T 230.2
Dimension	21.1x13x35" 535x330x890mm, Packing Dimension: 32.3x18.1x46" 820x460x1170mm
Weight	Net Weight: 176 lbs / 80kg, Gross Weight: 220 lbs / 100kg

Operations Interface



HR Correction H L

HRK		
HRL		
HRM		
HRR		
HRP		
HRS		
HRV		
15W		
30W		
45W		
15X		
30X		
45X		
15Y		
30Y		
45Y		

HRA		
HRB		
HRC		
HRD		
HRE		
HRF		
HRG		
15N		
30N		
45N		
15T		
30T		
45T		
HRH		

Back

#	HR	Scale	#	HR	Scale
1			11		
2			12		
3			13		
4			14		
5			15		
6			16		
7			17		
8			18		
9			19		
10			20		
Total:		Max:			
Avg:		Min:			

Back S All Del Print

Select Conversion Scale


HB	HRC	15N
HK	HRD	30N
HV	HRE	45N
HRA	HRF	15T
HRB	HRG	30T
NONE	HRK	45T

Back

Indenter	Diam. cone	Ø1.5875mm	Ø3.175mm	Ø6.35mm	Ø12.7mm	
		(1/16")	(1/8")	(1/4")	(1/2")	
147.1 N (15 Kg)		15N	15T	15W	15X	15Y
294.2 N (30 Kg)		30N	30T	30W	30X	30Y
441.3 N (45 Kg)		45N	45T	45W	45X	45Y
588.4 N (60 Kg)		HRA	HRF	HRH	HRL	HRR
980.7 N (100 Kg)		HRD	HRB	HRE	HRM	HRS
1471 N (150 kg)		HRC	HRG	HRK	HRP	HRV

Back

Select language:



Sample diameter (Ømm):

0 -- - _____ + ++

Set date time Conversion

Back