

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.

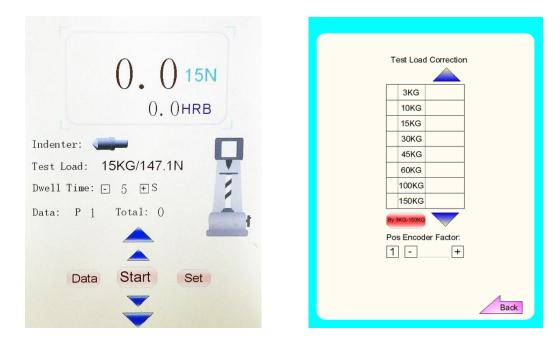
RockGen TWIN DGEN		
3kgf, 10kgf		
29.4N, 98N		
15kgf (147.1N), 30kgf (294.2N),		
45kgf (441.3N), 60kgf (588.4N),		
100kgf (980.7N), 150kgf (1471N)		
Diamond Rockwell Indenter,		

#### **Technical Specifications**



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, HR HRS, HRV HR15N, HR30N, HR45N, HR15T, HR30T, HR45T, HR15W, HR30W, HR45V 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, <b>Packing Dimension:</b> 32.3x18.1x46" 820x460x1170mm		
Weight	<b>Net Weight:</b> 176 lbs / 80kg, <b>Gross Weight</b> : 220 lbs / 100kg		

# **Operations Interface**



HRK		# HR	Scale	#	HR	Sca
HRL	HRA	1		11		
HRM	HRB	2		12		
HRR	HRC	3		13		
HRP	HRD	4		14		
HRS	HRE	5		15		
HRV	HRF	6		16		
15W	HRG	7		17		
30W	15N	8		18		
45W	30N	9		19		
15X	45N	10		20		
30X	15T	Total:		Max:		
45X	30T	Avg:		Min:		
15Y	45T					- 19
30Y	HRH					
45Y						

Sele	ct Conversion	Scale
НВ	HRC	15N
нк	HRD	30N
HV	HRE	45N
HRA	HRF	15T
HRB	HRG	30T
NONE	HRK	45T
Back	(I)	

Indenter	Diam.cone	Ø1.5875mm (1/16")	Ø3.175mm (1/8*)	Ø6.35mm (1/4*)	Ø12.7mm (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
Ba	Back				

Select language:
Sample diameter(@mm): 0 + ++
Set date time Conversion
Back

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