

# CLC-200R ROCKWELL TYPE

The Clark CLC-200R is one of the most versatile and easy to use Rockwell type testers available. It uses direct loading, state of the art load cell technology and direct linear displacement that's activated by simple touch-screen operation. All Rockwell scales, regular and superficial, are fully automatic with errors virtually being eliminated by removing the use of knobs and stacking of weights typically associated with most testers. Simply input the scale on the touchscreen and let the tester do the rest. It's that easy.

## Special Features

- One-touch operation on vivid 8-color LCD panel display
- Twin "Rockwell" (Regular and Superficial) and light load Brinell tests
- Direct load method. Load-cell feedback/direct linear displacement measurement
- Selectable minor/major load combinations (3 to 200Kg)
- Capable of various data editing and statistic functions
- Up to 2000 point data memory capacity
- Heavy-duty cast housing with enclosed load cell
- Certified and ready to use



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## ITEM

## CLC-200R

	ROCKWELL TYPE	BRINELL
MINOR LOAD	3 (29.42) 10 kgf (98.07 N)	
TEST LOAD	15 (147.1), 30 (294.2), 45 (441.3), 60 (588.4), 100 (980.7), 150 kgf (1471 N)	6.25 (61.29), 7.81 (76.61), 10 (98.07), 15.62 (153.2), 20 (196.1), 25 (245.2), 30 (294.2), 31.25 (306.5), 40 (392.3), 62.5 (612.9), 100 (980.7), 120 (1177), 125 (1226), 187.5 kgf (1839 N)
MINOR LOAD POSITION SETTING	Automatic setting (LCD level meter and electronic sound monitoring: Fine adjustment is unnecessary.)	
FLEXIBLE LOAD SETTING	Available 2 Load Setting Within Min. 3kgf (29.42N) and Max. 200kgf (1961N)	
LOAD CONTROL	Automatic (Application-holding-release)	
TRAVEL OF LOAD SHAFT	8mm Maximum	
LOADING SPEED	Min: 200mm per sec / Max: 140µm per sec. / 13s per cycle	
DWELL TIME	0-999 sec (Key entry in units of seconds)	
RESOLUTION	Display: 0.01HR	
PLASTIC MEASUREMENT	Available Load Control Method Conforming to ASTM D 785 and JIS K 7202	
HARDNESS CONVERSION	Hardness conversion capable in compliance with SAE (J-417b), ASTM (E-140), and JIS	
OK/NG CRITERIA	Upper and Lower Limits Setting and OK/NG Display (HR 0 to 130, min. 0.1 hardness setting)	
SELF DIAGNOSIS	Troubleshoot Display for Motors and Switches	
SCALE DISPLAY	C, D, A, G, GW, B, BW, F, FW, K, KW, E, EW, H, HW, P, PW, M, MW, L, LW, V, VW, S, SW, R, RW, 15N, 30N, 45N, 15T, 15TW, 30T, 30TW, 45T, 45TW, 15W, 15WU, 30W, 30WU, 45W, 45WU, 15X, 15XU, 30X, 45XU, 15Y, 15YU, 30Y, 30YU, 45Y, 45YU	
HR DATA CORRECTION	5 Points max on HR, Offset on HR, HR on Convex Cylinders, HRC on Convex Round Surfaces (Complies w/ ASTM E 18 / JIS Z 2245)	
HR DATA EDITING	Data Editing / Statistic Data (Test Times/Max./Min./Mean/Range/Std. Deviation Dispersion) / Graph and Histogram Display	
MAX. INDENTATION DEPTH	Detection and Output of Maximum Indentation Depth	
SPECIAL TEST MODE	Detection and Memory of the Displacement of the Load & Indentation Depth upon Loading. (Optional output to PC)	
BRINELL TEST MODE	Display HB Hardness based on Depth of Indentation (ASTM E 104)	
OUTPUT SIGNAL	RS232C (Baud rate: 300-19200, Factory setting/1200 bps) & CENTRONICS	
DATA PRINT OUT MODE	HR Value, HR & Conversion, HR & Depth of Indentation, HR & OK-NG Criteria, HR & Stat, HR, Mean & OK-NG Criteria, Conversion Data, Conversion & OK-NG Criteria, Conversion & Statistics, Conversion, Mean & OK-NG Criteria, Maximum Depth of Indentation	
ILLUMINATION LIGHTLED	Spot Illumination through Fiber Cable	
MAX. HEIGHT X DEPTH	10" (255mm) x 6.7" (170mm)	
ACCURACY	ASTM E-18 / ASTM E-140 / ASTM D 785 / ISO 6505-2 / ISO 6508-2 / JIS B 7726 / JIS K7202 / JIS Z 2245	
DIMENSIONS	8" (220mm) x 18" (465mm) x 32" (810mm)	
WEIGHT	Aprx. 220 lbs	
POWER SUPPLY	Single phase 115 VAC / AC 100-240V 50/60HZ	

## STANDARD ACCESSORIES

Hardness Standards	HRC, HRBW, HR30N, HR30TW	1 ea.
Diamond Indenter		1"C", 1"N"
1/16" Carbide Ball Indenter		1
V-Anvil 1 1/2"		1
Flat Anvil 2 1/2"		1
Machine Cover, Accessory Box, Manual, Leveling Leg Set		

