

CR SERIES ROCKWELL TYPE

The CR Series are sleek and durable Rockwell Type hardness testers that were built for high volume testing with precise accuracy. Available in standard, superficial and twin models, the CR Series can accommodate many testing situations. Simple to use, you'll come to depend on the CR Series when you require performance and efficiency in your shop, lab or factory.

Special Features

- Hardness conversion display for many scales
- Upper and lower limits capability and OK/NG display
- Plastic measurement mode comes standard
- Steady load spindle mechanism for measuring spherical surfaces
- Easy "zero" setting with level meter and electronic sound
- Automatic and manual start loading
- One piece, heavy-duty cast housing enclosing all internal parts
- Simple easy-to-use operation
- Certified and ready to use

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ITEM	CR-1e/CR-1	CR-2e/CR-2	CR-3e/CR-3
MINOR LOAD	10 kgf (98.07 N)	3 kgf (29.42 N)	3 kgf (29.42 N) / 10 kgf (98.07 N)
TEST LOAD	60 – 100 – 150 kgf 588.4 – 980.7 – 1471 N	15 – 30 – 45 kgf 147.1 – 294.2 – 441.3 N	15 – 30 – 45 – 60 – 100 – 150 kgf 147.1 – 294.2 – 441.3 – 588.4 – 980.7 – 1471 N
MINOR LOAD POSITION SETTING	Automatic setting (LED level meter and electronic sound monitoring.)		
LOAD CONTROL	Automatic (application-holding-release)		
DWELL TIME	1-99 sec (key entry in units of seconds)		
PLASTIC MEASUREMENT	Standard function (one-touch selection), time up to hardness value display after release: 1 to 99 sec		
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)		
SCALE DISPLAY	C, D, R, G, B, F, K, E H, P, M, L V, S, R	15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X 15Y, 30Y, 45Y	C, D, R, G, B, F, K, E, H, P, M, L, V, S, R, 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X 15Y, 30Y, 45Y
OUTPUT SIGNAL	RS232C (Baud rate: 300~19200, Factory setting/1200 bps) & CENTRONICS		
RS-232 OUTPUT & PRINTOUT MODES	1 - Measurement data only 2 - Measurement data and evaluation results (max.value, min. value & OK/NG) 3 - Measurement data and conversion data 4 - Measurement data, conversion data and evaluation results (max. value, min. value & OK/NG)		
MAX. SPECIMEN HEIGHT	7.5" (190mm) / 11.5" (292mm)	7.5" (190mm) / 11.5" (292mm)	6" (152mm) / 10" (254mm)
MAX. SPECIMEN DEPTH	6" (152mm)	6" (152mm)	6" (152mm)
DIMENSIONS	190 x 443 x 675mm	190 x 443 x 675mm	190 x 443 x 675mm
ACCURACY	Conforms to ASTM-E-18		
WEIGHT	Aprx. 160 lbs	Aprx. 160 lbs	Aprx. 160 lbs
POWER SUPPLY	Single phase 115ACV / AC 100-240V 50/60HZ		

STANDARD ACCESSORIES

Hardness Standard	HRC	1	—	1
Hardness Standard	HRB	1	—	1
Hardness Standard	HR30N	—	1	1
Hardness Standard	HR30T	—	1	1
Diamond Indenter	1 "C"	—	1 "N"	1 "C", 1 "N"
1/16" Carbide Ball Indenter	1	—	1	1
Anvil	2 1/2" Flat	1	1	1
Anvil	1 1/2" V-Shape	1	1	1

Machine Cover, Accessory Box, Manual, Leveling Leg Set

