

# United Service Company Inc

Sales and Service  
West Hartford, CT 06110  
(860) 667-4403  
[www.unitedservice.us](http://www.unitedservice.us)

## Introducing the new **Clark CR Series**

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



United Service Company Inc is an ISO-17025 certified company with well over 100 years combined experience providing service and recommending the correct machine for your needs. Our major objective is to supply to our customers the best products, advice, and on-time service possible.

**Call for a no cost, no obligation quote today!**

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ITEM	CR-1e/CR-1	CR-2e/CR-2	CR3e/CR-3
Minor Load	10 kgf (98.07 N)	3 kgf (29.42 N)	10 kgf (98.07 N) / 3 kgf (29.42 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 - 1472 N
Minor Load Position Setting	Automatic setting (LED level meter and electronic sound monitoring)		
Load Control	Automatic (application - holding - release)		
Dwell Time	1 - 99 seconds (key entry in units of seconds)		
Plastic Measurement	Standard function (one-touch selection) time up to hardness value display after release: 1- 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, OK/NG display (HR 0 to 130, min. 0.1 hardness setting)		
Scale Display	C, D, A, 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, A, 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" / 11.5"	7.5" / 11.5"	6" / 10"
Max. Specimen Depth	6" (152 mm)	6" (152 mm)	6" (152 mm)
Dimensions	190x443x675mm	190x443x675mm	190x443x675mm
Accuracy	Conforms to ASTM E-18		
Weight	Approximately 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