

# CRX SERIES ROCKWELL TYPE

The CRX Series Rockwell Type Hardness Tester is extremely reliable, built for high volume testing with precise accuracy. Available in standard, superficial and twin models, the CRX can accommodate many testing requirements. Simple to use, you can depend on the CRX Series for its performance and efficiency.

## Special Features

- Hardness conversion display for many scales
- Upper and lower limits capability and HI / OK / LO display
- Plastic measurement mode comes standard
- Easy "zero" setting with electronic sound
- Automatic and manual start loading
- One piece, heavy-duty cast housing enclosing all internal parts
- Calculates the average value
- Round and spherical work correction settings
- LED light
- Complies with ASTM & ISO 17025 Standards

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| ITEM                           | CRX-1e/CRX-1                                                                                                                                                                                                                                                                                                                                          | CRX-2e/CRX-2                                                                         | CRX-3e/CRX-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<br>588.4 – 980.7 – 1471 N                                                                                                                                                                                                                                                                                                          | 15 – 30 – 45 kgf<br>147.1 – 294.2 – 441.3 N                                          | 15 – 30 – 45 kgf<br>147.1 – 294.2 – 441.3 N<br>60 – 100 – 150 kgf<br>588.4 – 980.7 – 1471 N                                             |
| MINOR LOAD POSITION SETTING    | Automatic setting (electronic sound monitoring.)                                                                                                                                                                                                                                                                                                      |                                                                                      |                                                                                                                                         |
| LOAD CONTROL                   | Automatic (application-holding-release)                                                                                                                                                                                                                                                                                                               |                                                                                      |                                                                                                                                         |
| DWELL TIME                     | 1-999 sec (key entry in units of seconds)                                                                                                                                                                                                                                                                                                             |                                                                                      |                                                                                                                                         |
| PLASTIC MEASUREMENT            | Standard function (one-touch selection), time up to hardness value display after release: 1 to 999 sec                                                                                                                                                                                                                                                |                                                                                      |                                                                                                                                         |
| HARDNESS CONVERSION            | Hardness conversion capable in compliance with ASTM (€ 140)                                                                                                                                                                                                                                                                                           |                                                                                      |                                                                                                                                         |
| HI / LO CRITERIA               | Upper and lower limit settings and HI / OK / LO display (HR 0 to 130, min. 0.1 hardness increment)                                                                                                                                                                                                                                                    |                                                                                      |                                                                                                                                         |
| SCALE DISPLAY                  | C,D,A,G,<br>B,F,H,€<br>H,P,M,L<br>V,S,R                                                                                                                                                                                                                                                                                                               | 15N, 30N, 45N,<br>15T, 30T, 45T,<br>15U, 30U, 45U,<br>15X, 30X, 45X<br>15Y, 30Y, 45Y | C, D, A, G, B, F, H, €,<br>H, P, M, L, V, S, R,<br>15N, 30N, 45N,<br>15T, 30T, 45T,<br>15U, 30U, 45U,<br>15X, 30X, 45X<br>15Y, 30Y, 45Y |
| OUTPUT SIGNAL                  | RS232C (Baud rate: 9600 bps)                                                                                                                                                                                                                                                                                                                          |                                                                                      |                                                                                                                                         |
| RS-232 OUTPUT & PRINTOUT MODES | 1 - Measurement data only<br>2 - Measurement data and evaluation results (max.value, min. value & OK/NG)<br>3 - Measurement data and conversion data<br>4 - Measurement data, conversion data and evaluation results (max. value, min. value & OK/NG)<br>5 - Measurement data and average value<br>6 - Maximum depth of indenter and measurement data |                                                                                      |                                                                                                                                         |
| MAX. SPECIMEN HEIGHT           | 10" (255mm) / 17" (435mm)                                                                                                                                                                                                                                                                                                                             | 10" (255mm) / 17" (435mm)                                                            | 8.5" (225mm) / 15" (405mm)                                                                                                              |
| MAX. SPECIMEN DEPTH            | 6.5" (165mm)                                                                                                                                                                                                                                                                                                                                          | 6.5" (165mm)                                                                         | 6.5" (165mm)                                                                                                                            |
| DIMENSIONS                     | W 7.7" (196mm) x D 19.2" (487mm) x H 32.3" / 38" (820mm / 965mm)                                                                                                                                                                                                                                                                                      |                                                                                      |                                                                                                                                         |
| WEIGHT                         | Aprx. 190 Lbs (87 kG)                                                                                                                                                                                                                                                                                                                                 | Aprx. 190 Lbs (87 kG)                                                                | Aprx. 200 Lbs (99 Kg)                                                                                                                   |
| POWER SUPPLY                   | 120 VAC 1Ø 2A / (AC 100~240V) Please Specify                                                                                                                                                                                                                                                                                                          |                                                                                      |                                                                                                                                         |

#### 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            |
| 1/16" Carbide Balls Indenter | 4              | 4     |   | 4            |
| 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, Conversion Chart

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