

ROCKY Series Digital Rockwell Hardness Tester ASTM E-18, ISO 6508

The Rocky Series of Digital hardness Tester are our low cost option for accurate and simple Rockwell Hardness testing which meet and exceed ASTM E-18 requirements. Available in two versions Rocky-DR Regular Rockwell or Rocky-DS Superficial Rockwell, these advanced and highly accurate hardness Tester are ideal instruments for both lab environments as well as production floor. Additional advantages that make the Rocky Series of hardness Tester, top contenders on the market are the 2 year warranty, automatic change of test force corresponding to selected test method, easy to use and stylish design, high definition backlit LCD, Auto conversion to other hardness scales, RS232 and USB interface, low maintenance and rugged construction, as well as unbeatable price/quality ratio.

Specifications

- Available in two models, Regular or Superficial Rockwell Hardness Tester
- Conforms to ASTM E-18, ISO 6508
- Digital readout
- Hardness Resolution: 0.1 of Rockwell unit
- Display: Matrix backlit LCD
- Languages: English, French, German
- Data Entry: Membrane keypad, Menu driven
- Test Process: Automatic
- Load Selection: Automatic
- Load duration: 2 – 50 seconds, can be adjusted
- Data Output: RS232 and USB data output for PC / Printer
- Power supply: 110/220V 50/60Hz, 4A
- Menu Features: - Hardness tolerance setting (Upper and Lower limits) Conversions: Vickers, Brinell, Rockwell, Superficial, UTS Statistical data: X-bar, s, max, min - Automatic curvature correction for cylindrical and spherical surfaces
- Dimensions of testing machine: Height 28.4" (720mm), Width 8.0" (200mm), Depth 21.7" (550mm)
- Maximum test height: 8.0" (200mm)
- Horizontal Space (from center line): 6.5" (165 mm)
- Net weight: 220 lbs (100 kg)
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 Statistical data: X-bar, s, max, min
 Automatic curvature correction for cylindrical and spherical surfaces
- **Frame Deformation**
 (ASTM E18-08 Requires less than +/-1%) +/- 0.5%
- **Transducer Accuracy**
 (ASTM E18-08 Requires +/- 1.0µm Regular Rockwell, +/- 0.5µm Superficial Rockwell)
 +/- 0.3µm Regular Rockwell
 +/- 0.5µm Superficial Rockwell
- **Repeatability**
 (ASTM E18-08 Requires, 1.0, 1.5 up to 2.0 on the HRC scale)
 0.5 up to 1.0 (HRC Scale)
- **Tolerance of applied force**
 (ASTM E18-08 requires 0.6-0.75%)
 Within 0.5%
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Rocky-DR
Rocky™-DR Digital Rockwell Regular Hardness Tester
Hardness scales: Rockwell A,B,C,D,E,F,G,H,K,L,M,P,R,S,V

Pre-load: 10 k gf (98.7N)

Total Load: 60 k gf (588.4N), 100 k gf (980.7N), 150 k gf (1471N)

Standard configuration include :

Main Unit, Diamond Rockwell C Indenter, Rockwell Indenter 1/16", Flat anvil 70 mm and V-anvil 6 mm dia., NIST traceable HRC, HRB Test blocks with certificate, User's manual

Rocky-DS
Rocky™-DS Digital Superficial Rockwell Hardness Tester
Hardness scales: Rockwell 15N, 30N, 45N, 15T, 30T, 45T, 15W, 30W, 45W, 15X, 30X, 45X, 15Y, 30Y, 45Y

Pre-load: 3kgf (29.42N)

Total Load: 1 5kgf (147.15N), 30kgf (294.2N), 45kgf (441.3N)

Standard configuration include :

Main Unit, Diamond Rockwell C Indenter, Rockwell Indenter 1/16" with 5 spare balls, Flat anvil 70mm and V-anvil 6 mm dia., NIST 15N Test Block, User's manual