

ME-2 Series

Rockwell Hardness Testing System

An Educated Choice in Economical Hardness Testing



- ▶ Available with Analog or Digital Display
- ▶ Meets ASTM E-18
- ▶ Two-Year Warranty, Standard
- ▶ Regular Rockwell or Superficial



ME-2 SERIES ROCKWELL HARDNESS TESTING SYSTEM

An Educated Choice in Economical Hardness Testing!

► Modern technology delivers greater accuracy and reduced maintenance

The ME-2 uses a resilient dynamic-compression load system to provide significant advantages over competing hardness testers. Using this technology the ME-2 reduces the number of critical friction points found in traditional dead-weight testers so it is less prone to deviate from specified load tolerances. The test head provides another advantage - it is enclosed so it is less susceptible to contamination by dirt and airborne oil. Also, the service procedures to ensure accurate load application are more direct and easier to perform. Finally, the ME-2 can apply the load faster than deadweight instruments without the danger of the impact effect. The ME-2 meets ASTM E-18, the standard for Rockwell hardness testing.

► Select from various configurations to get the best tester for your application.

The ME-2 system has many models and options so you can get the best system to match your needs. A complete range of indenters, anvils, and test blocks is available to test in any scale. Newage can also produce custom fixtures for customers to hold difficult-to-handle or higher volume parts.



► Exceptional capabilities compared to other testers in any price range.

The test stand provides a substantially larger capacity than competitive models - 8½" vertical by 7" throat. Testers can be moved from location to location without setup at each location. All digital models provide large memory capacity, timed-load function, tolerances, basic statistics and RS232 serial output. The Advanced Digital model includes: scale conversion, minimum thickness calculations, automatic averaging sequential groups of 2-10 tests, and many print modes such as histograms, additional statistical values, and an X-Bar & R Chart option.

► Using the motor-drive add-on with the ME-2 model ME-2RDS creates a testing powerhouse: High volume testing, data collection, and statistical features.

ME-2 Series

Specifications and Accessories

ALL MODELS

System Includes: Dial indicator (analog units) or digital display (digital units) for testing in Regular (or Superficial) Rockwell scales with full loads of 60, 100, and 150 kg (or 15, 30 or 45 Superficial) with a preload of 10 kg. (or 3 kg Superficial). One diamond indenter, one 1/16" tungsten carbide ball indenter, one NIST-traceable Rockwell C test block (or Rockwell 30N for Superficial), one Rockwell B test block (or Rockwell 30T for Superficial), one 2" flat anvil, one spot anvil, one large vee anvil, one small vee anvil, one plastic cover, conversion chart, and operating instructions. All provided in accessory case. Conforms to ASTM E-18. Net weight -106 lbs.

ADVANCED DIGITAL TESTERS

ME-2RDS Regular Rockwell Scale (or ME-2SRDS Superficial)

Features: Adjustable time-at-full-load indicator, dial-in full load selection, modular test head, test stand with 8-1/2" vertical and 7" horizontal test capacity, digital readout of hardness number, RS-232 output, tolerances, software functions (all controllable by security code), calibration, scale conversion of test result, time at load, minimum thickness, clear last result, clear all results, 16 digit lot number, sequence number, average of 'n' tests, standard deviation. Print functions for print memory, print during testing, print statistics including tolerances, total number of tests, # and % good/high/low, min/max results, range, average, variation, standard deviation, coefficient of variation, predicted % exceeding + / - 3 sigma, Cpk, scale conversion, 2400 + memory capacity.

Twin Tester Package: ME-2R-2DS Combination Package with two complete Regular Rockwell and Superficial Rockwell Statistical Digital Testers.

BASIC DIGITAL TESTERS

ME-2RDB Regular Rockwell Scale (or ME-2SRDB Superficial)

Features: Adjustable time-at-full-load indicator, dial-in full load selection, modular test head, test stand with 8 1/2" vertical and 7" horizontal test capacity, digital readout of hardness number, RS-232 output, tolerances. **Twin Tester Package:** ME-2R-2DB Combination Package with two complete Regular Rockwell and Superficial Rockwell Basic Digital Testers

ANALOG (DIAL INDICATOR) Testers

ME-2R Regular Rockwell Scale or ME-2SR Superficial

Features: Dial-in load selection, modular test head, test stand with 8-1/2" vertical and 7" horizontal test capacity. **Twin Tester Package:** ME-2R-SR Combination Package with two complete Regular Rockwell and Superficial Rockwell Analog Testers.

Options, Spares & Accessories

ME-2-MT Motorized Major Load, Electric for "DS" models

ME-2-ME Motorized Elevating Screw, for "DS" models

9010 Test Head Removal Tool

AT/5510 Flex Arm Test Point Illumination Light

AT/5620 Protective Vinyl Cover

AT130-PR Printer w/cable. Dot Matrix, 80 Col., Plain Paper

NI-SP18 External Jack Support (Requires 3/4" Post Anvils)

AT130B Metal Bench Cabinet

Optional Software - for all "DS" Models

AT130X3 Advanced Software Upgrade Pack includes XBar-R, Round Correction, Split Memory and Test Block Verification **AT130X2T** Jominy Hardenability Curve Program

ATCSTM1021 Brinell Software Program for RDS Test System. Covers HB5, HB10 & HB30 Brinell Scales. Requires 8115 and/or 8116 Indenters.

DataView® PC-based data collection software

Indenters, Anvils, & Blocks Available at www.hardnesstesters.com/hardness-indenters.htm

Rockwell Diamond and Ball Indenters

8110 C Scale Diamond Indenter

8109 N Scale Diamond Indenter

8103 C and A Scale Diamond Indenter

8105 C, N, and A Scale Diamond Indenter

8111S 1/16" Steel Ball Indenter, w/50 balls

8111W 1/16" Carbide Ball Indenter, w/cert

8112S 1/8" Steel Ball Indenter w/10 balls

8112W 1/8" Carbide Ball Indenter, w/cert

8113S 1/4" Steel Ball Indenter

8113W 1/4" Carbide Ball Indenter, w/cert

8114S 1/2" Steel Ball Indenter

8114W 1/2" Carbide Ball Indenter, w/cert

8115W 2.5 mm Carbide Ball Indenter, w/cert

8116W 5 mm Carbide Ball Indenter, w/cert

Rockwell Indenters for ME-2 Tester



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