



HARDNESS TESTER PROMO

HR, HV, HM & HH SERIES TESTERS

Effective through December 13, 2024

HARDNESS TESTERS



Rockwell and Rockwell Superficial Hardness Tester

With Real-Time Electronic Test Force Control

- Closed-loop control of testing forces.
- Initial and Total test forces (loads) are applied with unparalleled accuracy and repeatability.
- Extended indenter arm reaches inside diameters and hard-to-reach surfaces at eye level, allowing the operator to easily see where the indenter accesses small or hard-to-reach parts.
- Automatic cycle start after initial set point is reached.
- Continuous test mode for automatic testing of all like sized parts.
- All hardness parameters set automatically via the touch screen.
- Cylindrical and spherical surface corrections.
- Auto conversion to most common hardness scales or tensile strength.

MeasurLink ENABLED
Data Management Software by Mitutoyo

| Model No. | | 810-233-33A | 810-333-33A |
|--------------------------|---------------------|--|---|
| Order No. | | HR-530 | HR-530L |
| Hardness testing methods | | Rockwell / Rockwell Superficial / Brinell / Plastics Hardness | |
| Initial Test Force | | 29.42 N (3kgf), 98.07 N (10kgf) | |
| Test Force (N) | Superficial | 147.1 N (15kgf), 294.2 N (30kgf), 441.3 M (45kgf) | |
| | Rockwell | 588.4 N (60kgf), 980.7 N (100kgf), 1471 N (150kgf) | |
| | Light Force Brinell | 61.29 N (6.25kgf), 98.07 N (10kgf), 153.2 N (15.625kgf), 245.2 N (25kgf), 294.2 N (30kgf), 306.5 N (31.25kgf), 612.9 N (62.5kgf), 980.7 N (100kgf), 1226 N (125kgf), 1839 N (187.5kgf) | |
| Test Force Control | | Automatic (load / hold / unload) | |
| Maximum Speciment Size | | Height: 9.8" (250mm) Depth: 5.9" (150mm) | Height: 15.5" (395mm) Depth: 5.9" (150mm) |
| External Data Output | | RS-232C, digimatic, USB2.0 | |
| External Dimensions | Main Unit | 9.84" x 26.38" x 23.82" (250 w x 667 d x 621 h mm) | 11.6" x 26.2" x 30.1" (300 w x 667 d x 766 h mm) |
| | Touch-Panel Display | 191 w x 147 d x 71 h mm (Color) | |
| Mass | | Approx. 60 kg | Approx. 69 kg |
| List | | \$16,600.00 | \$20,000.00 |
| Promo | | \$14,940.00 | \$18,000.00 |

10% OFF

10% off all Packages



Free Shipping



HR-530
810-233-33A



10% OFF

10% off all Packages



Free Shipping



HR-530L
810-333-33A



ASTM Compliant HR Series Rockwell and Superficial Hardness Tester Packages Include:

- Certified Blocks and Indenters
- C and N Scale Indenter
- 1/16" Carbide Ball Indenter
- HRC30 Rockwell Test Block
- HRC63 Rockwell Test Block
- HRBW95 Rockwell Test Block
- HR30N60 Rockwell Test Block
- HR30TW70 Rockwell Test Block
- Certificate stating conformance to ASTM E 18
- Mitutoyo Installation and A2LA Calibration



HR-430MR includes only diamond indenter, C scale indenter, HRC and HRBW blocks listed above

Calibration Set

| Order No. | Order No. | Order No. | Order No. |
|------------------------------------|-------------|-------------|--------------|
| 64HAA462 | 64HAA463 | 64HAA464 | 64HAA465 |
| HRC Scale | HRBW Scale | HR30N Scale | HR30TW Scale |
| Test Blocks | Test Blocks | Test Blocks | Test Blocks |
| 64HAA181 | 64HAA172 | 64HAA270 | 64HAA303 |
| 64HAA177 | 64HAA170 | 64HAA266 | 64HAA301 |
| 64HAA173 | 64HAA168 | 64HAA262 | 64HAA299 |
| Universal Style Indenter with Flat | | | |
| 64HAA100 | 64HAA119 | 64HAA101 | 64HAA119 |



For more information regarding compatible accessories such as fixtures, indenters, and calibration blocks use the QR Code!



SCAN ME

A Complete Line of ASTM Compliant Rockwell Hardness Testing Machines

10% OFF

10% off all
Packages



Free
Shipping



Installation &
Calibration Included



| | HR-320MS | HR-430MR | HR-430MS | HR-530/HR-530L | HR-610A/HR-620A | HR-620B |
|---|-------------|-------------|-------------|---|--|-------------|
| Rockwell Scales | | X | | | | |
| Rockell and Superficial | X | | X | X | X | X |
| Dead Weight | X | X | X | | | |
| Individual Hanging Weights | X | | | | | |
| Dial Weight | | X | X | | | |
| Automatic break | | X | X | | | |
| Closed Loop | | | | X | X | X |
| Digital Display | X | X | X | X | X | X |
| 7.1" Max Sample Height | X | X | X | | | |
| 9.8" Max Sample Height | | | | HR-530 | X | X |
| 15.5" Max Sample Height | | | | HR-530L | | |
| 6.5" Max Depth | X | X | X | | | |
| 5.9" Max Depth | | | | | | |
| 8.6" Max Depth | | | | X | X | X |
| CNC | | | | | | X |
| Motorized X Stage (Optional) | | | | | X | X |
| Motorized Y Stage | | | | | | X |
| Software Control and Analysis | | | | | | X |
| ASTM Compliant HR Series Rockwell & Rockwell Superficial Packages - All 10% Off | 810-192-21A | 810-193-21A | 810-194-31A | 810-233-33A (HR530) or 810-333-33A (HR530L) | 810-512-23A (HR610A) or 810-522-23A (HR620A) | 810-527-21A |
| List | \$10,900.00 | \$12,400.00 | \$12,500.00 | \$16,600.00 / \$20,000.00 | \$28,100.00 / \$30,400.00 | \$48,800.00 |
| Promo | \$9,810.00 | \$11,160.00 | \$11,250.00 | \$14,940.00 / \$18,000.00 | \$25,290.00 / \$27,360.00 | \$43,920.00 |

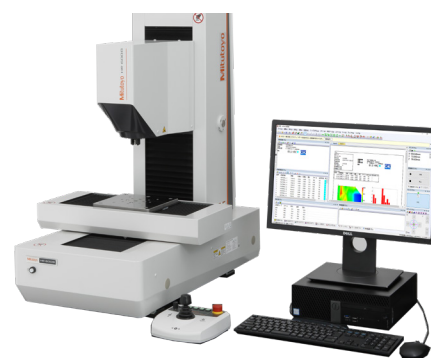
Scalable Interfacing Options



HR-320MS, HR-430MR, HR-430MS
Interface



HR-530, HR-530L, HR-610A & HR-620A
Touchscreen Controller



HR-620B PC Interface,
Utilizing AVPAK Software

Heavy Load Hardness Testers - HV Series**Highly Versatile Basic Model****HV-110/120 System A**

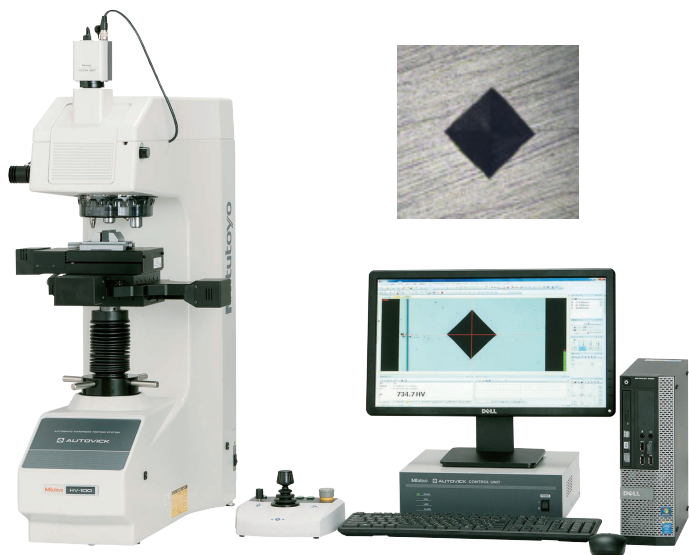
- › Equipped with a high performance motorized test force selection function and motorized turret mounts.
- › Operates as smoothly as electric models but with the certainty of traditional test forces.
- › A List function make it easy to perform multi-point and average hardness evaluations, which required extra effort or external data processors with conventional manual models. This convenient screen enables consistency of test results.
- › Motorized test force selection and motorized turret positions can be easily controlled via a touch screen control panel. Adjustable X-Y stage with built-in digital micrometers for detailed measurement analysis

**25%
OFF**

| Model | Test Force | | | | | | | | | Order No. | Body | List | Promo |
|--------|------------|--------|--------|-------|-------|-------|--------|-------|-------|------------|--------|-------------|-------------|
| HV-110 | V.S* | HV1 | HV2 | HV3 | HV4 | HV5 | HV10 | HV20 | HV50 | 810-440-13 | A TYPE | \$25,700.00 | \$19,275.00 |
| | N | 9.807 | 19.61 | 29.52 | 49.03 | 98.07 | 196.10 | 294.2 | 490.3 | | | | |
| | kgf | 1 | 2 | 3 | 5 | 10 | 20 | 30 | 50 | | | | |
| HV-120 | V.S* | HV 0.3 | HV 0.5 | HV1 | HV2.5 | HV5 | HV10 | HV20 | HV30 | 810-445-13 | A TYPE | \$25,700.00 | \$19,275.00 |
| | N | 2.942 | 4.903 | 9.807 | 24.51 | 49.03 | 98.07 | 196.1 | 294.2 | | | | |
| | kgf | 0.3 | 0.5 | 1 | 2.5 | 5 | 10 | 20 | 30 | | | | |

*V.S - Vickers Scale

*Additional Components Required for a Complete System

**Advanced models promise additional productivity improvements****HV-110/120 System B,D**

- › B, and D series testers feature AVPAK dedicated image software enabling automatic indentation reading with excellent automatic edge detection capability, reducing reading variation and visual error.
- › D series testers add powered X-Y stages which enable automatic continuous testing. This allows extended multi-point testing, complex pattern creation and multiple work piece analysis now carried out automatically.
- › D series testers add Auto Focus and create a fully automatic system that dramatically shortens the cycle time of your test and indentation analysis!

**25%
OFF**

| Model | Test Force | | | | | | | | | Order No. | Body | List | Promo |
|--------|------------|--------|--------|-------|-------|-------|--------|-------|-------|-----------|------------|-------------|-------------|
| HV-110 | V.S* | HV1 | HV2 | HV3 | HV4 | HV5 | HV10 | HV20 | HV50 | 810-443A | B / D TYPE | \$34,000.00 | \$25,500.00 |
| | N | 9.807 | 19.61 | 29.52 | 49.03 | 98.07 | 196.10 | 294.2 | 490.3 | | | | |
| | kgf | 1 | 2 | 3 | 5 | 10 | 20 | 30 | 50 | | | | |
| HV-120 | V.S* | HV 0.3 | HV 0.5 | HV1 | HV2.5 | HV5 | HV10 | HV20 | HV30 | 810-448A | B / D TYPE | \$34,000.00 | \$25,500.00 |
| | N | 2.942 | 4.903 | 9.807 | 24.51 | 49.03 | 98.07 | 196.1 | 294.2 | | | | |
| | kgf | 0.3 | 0.5 | 1 | 2.5 | 5 | 10 | 20 | 30 | | | | |

*V.S - Vickers Scale

*Additional Components Required for a Complete System



SCAN ME

Micro Vickers Hardness Testers - HM Series

- > HM Type A systems include a built-in measuring eyepieces for indentation analysis and accurate workpiece positioning
- > Automatic Turret (Touch-screen controlled in Type A systems and software controlled via AVPAK in Type B and D systems)
- > Test force range 10g-1000g (HM-210) and .05-2000g (HM-220)
- > LED illumination
- > Type B and D systems include a camera for software analysis (Type A systems can use optional camera for digital imagery)
- > Type A and B systems use micrometer controlled adjustable stages and Type D systems utilize a motorized XY Stage

20% OFF

20% off all Packages



FREE SHIPPING

Free Shipping



Installation & Calibration Included



64AAB 305PA
HM-210A

MeasurLink ENABLED
Data Management Software by Mitutoyo

*Seamless assistance is a scan away -
Connect with your local representative
by making an inquiry today!*



SCAN ME

20% OFF MICRO VICKERS TESTERS!

| Functions | System A | System B | System D |
|---|---------------------|-------------------------|-------------------------|
| | | | |
| Focusing | Manual | Manual | Automatic |
| Testing Action | Single Point | Single Point | Pattern Specific |
| Test-point Positioning | Manual X-Y Stage | Manual X-Y Stage | Automatic X-Y Stage |
| Measuring Indentations | Manual Monoscope | Automatic by AVPAK | Automatic by AVPAK |
| Camera (for observing and measuring indentations) | 600,000 pixels B&W* | Color, 3 million pixels | Color, 3 million pixels |
| Operating the main unit | Touchel Panel | PC** | PC** |
| Order No | 64AAB305PA | 64AAB323PA | 64AAB380PA |
| Main Unit | HM-210A | HM-210B | HM210D |
| List | \$25,000.00 | \$41,200.00 | \$71,100.00 |
| Promo | \$20,000.00 | \$32,960.00 | \$56,880.00 |

** PC sold separately

*Additional Packages Available Please contact your local distribution or Mitutoyo sales representative.

Portable Hardness Testers

Durometers (Digital and Analog)

For Rubber and Plastic Hardness Testing

10% OFF

Compact Dial
811-335-10



Compact Digital
811-336-10



MeasurLink ENABLED
Data Management Software by Mitutoyo

| Order No | Model | Scale | Display | Graduation | Range | Indenter | List | Promo |
|------------|--------|---------|---------|------------|-------|-------------|------------|------------|
| 811-335-10 | HH-335 | Shore A | Analog | 1.0 | 10~90 | Blunt Taper | \$686.00 | \$617.40 |
| 811-336-10 | HH-336 | Shore A | Digital | 0.5 | 10~90 | Blunt Taper | \$1,470.00 | \$1,323.00 |
| 811-337-10 | HH-337 | Shore D | Analog | 1.0 | 20~90 | Sharp Point | \$686.00 | \$617.40 |
| 811-338-10 | HH-338 | Shore D | Digital | 0.5 | 20~90 | Sharp Point | \$1,470.00 | \$1,323.00 |

HH-411 Hardmatic

Rebound Leeb portable hardness tester featuring reproducibility and ease of operation on large parts. It is lightweight and can be carried into the shop or out in the field.

| Order No. | Type | List | Promo |
|------------|------------------|------------|------------|
| 810-298-10 | HH-411 Hardmatic | \$4,580.00 | \$4,122.00 |

MeasurLink ENABLED
Data Management Software by Mitutoyo



ALWAYS THERE. ALWAYS READY.

YOUR DEDICATED SUCCESS TEAM

Our commitment to you extends far beyond the sale. Our new Customer Success team is a testament to our dedication to providing the industry's best products and services.

The very best products are nothing without reliability and support. Our Customer Success team is always there, ready to help by understanding your unique needs and challenges. They are your single point of contact for anything you may need over the lifetime of your product. They are your liaison, leveraging Mitutoyo's vast expertise to provide comprehensive solutions tailored for your business.

No matter what your need may be, you can always pick up the phone and connect directly with your dedicated customer success. With Mitutoyo, it's not just about the industry's best products, it's about a promise of continued partnership, unparalleled support, and a shared journey towards excellence.



Nationwide Support Infrastructure of Mitutoyo America

Headquarters: Aurora, Illinois

Metrology Services Center (ISO/IEC 17025 Accredited):
Aurora Illinois, City of Industry California, West Chester Ohio

Services:

Aurora Illinois: Calibration, Repair, Field Service, Contract Inspection

City of Industry: Calibration, Repair

West Chester Ohio: Calibration, Contract Inspection, Contract Part Programming

M³ Solution Centers (Showrooms): Locations (8 in total):
Illinois, Washington, Texas, Ohio, Michigan, California, North Carolina, Massachusetts.

Note: At the M³ Solution Center, customers can not only view our products but also utilize the space to address their measurement challenges through demonstrations of our latest measuring instruments and technologies.

Total Number of Employees: Approximately 400

Mitutoyo products are sold through authorized distributors which can be found at my.mitutoyo.com/General/FindDistributor

[My.Mitutoyo.com](https://my.mitutoyo.com)

Search for products, request a product quote, take online metrology courses, and much more.

Note: All information regarding our products, and in particular the illustrations, drawings, dimensional and performance data contained in this printed matter as well as other technical data are to be regarded as approximate average values. We therefore reserve the right to make changes to the corresponding designs. The stated standards, similar technical regulations, descriptions and illustrations of the products were valid at the time of printing. In addition, the latest applicable version of our General Trading Conditions will apply. Only quotations submitted by ourselves may be regarded as definitive. Specifications are subject to change without notice. We reserve the right to change specifications and prices without notice. Not valid with any other offer or promotion, previous purchases. Please refer to terms and conditions for additional information. Domestic U.S. orders only.

Mitutoyo products are subject to US Export Administration Regulations (EAR). Re-export or relocation of our products may require prior approval by an appropriate governing authority.

Trademarks and Registrations

Designations used by companies to distinguish their products are often claimed as trademarks. In all instances where Mitutoyo America Corporation is aware of a claim, the product names appear in initial capital or all capital letters. The appropriate companies should be contacted for more complete trademark and registration information.

Mitutoyo

Mitutoyo America Corporation
965 Corporate Boulevard
Aurora, Illinois 60502
1-888-648-8869