



# 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 N (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 Specimen 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** Free Shipping

Installation & Calibration Included

HR-530  
810-233-33A

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**FREE SHIPPING** Free Shipping

Installation & Calibration Included

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** 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

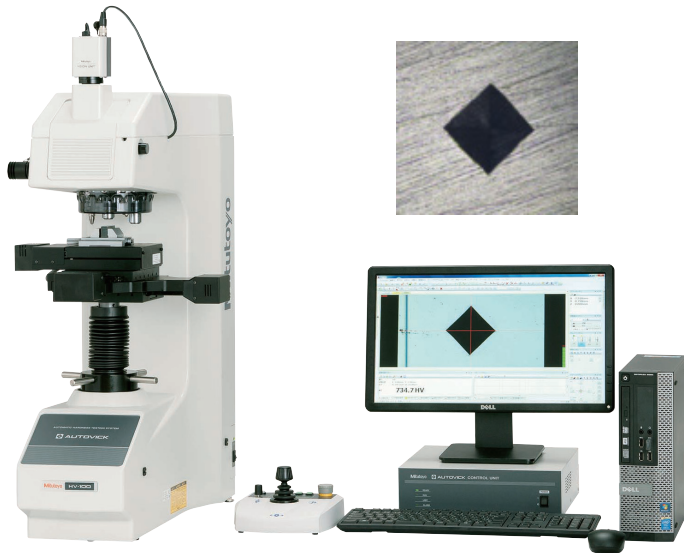
**25%  
OFF**



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

**25%  
OFF**

#### 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!

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** 10% off all Packages

**FREE SHIPPING** Free Shipping

**Installation & Calibration Included**



64AAB 305PA HM-210A

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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



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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.

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

# 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

**M<sup>3</sup> Solution Centers (Showrooms): Locations (8 in total):**  
Illinois, Washington, Texas, Ohio, Michigan, California, North Carolina, Massachusetts.

Note: At the M<sup>3</sup> 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](http://my.mitutoyo.com/General/FindDistributor)

[My.Mitutoyo.com](http://My.Mitutoyo.com)

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# Mitutoyo

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PDF ONLY • Printed in USA • July 2024