



ADDITIONAL SENSORS, BLOCKS, ACCESSORIES & RINGS

In addition to standard sensors, dynamic (D, DC, DL,C, G, D+15) and ultrasonic sensors (UCI-S, UCI-R, UCI-L, UCI-P) are available for various tasks at an additional cost.



AULIMET AUTHORISED DEALER

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AULIMET®
Affordable Accuracy

SMART PORTABLE HARDNESS TESTERS

ASTM COMPLIANT | ISO COMPLIANT | 450+ SCALES AND BEYOND



MR-HD700
UNIVERSAL HARDNESS
TESTER



LEEB UCI

Combine Leeb and UCI methods in one powerful device.

MR-LH70
LEEBS HARDNESS TESTER



LEEB

Reliable Leeb testing for a wide range of applications.

MR-UCI70
ULTRASONIC HARDNESS
TESTER



UCI

High-precision UCI testing

UHT-400
WIRELESS
ULTRASONIC HARDNESS TESTER



UCI

Wireless freedom with UCI precision



High Accuracy & Repeatability



Rugged & Durable Design



Advance Technology



Long-Lasting Battery

IDEAL FOR TESTING IN:



MANUFACTURING



AUTOMOTIVE



AEROSPACE



METAL PROCESSING



POWER GENERATION



OIL & GAS



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WIRELESS ULTRASONIC HARDNESS TESTER UHT-400

The AULIMET UHT-400 Ultrasonic Hardness Tester utilizes the advanced UCI (Ultrasonic Contact Impedance) method to deliver fast, accurate, and virtually non-destructive hardness testing for a wide range of metallic materials, including hardened surfaces, coatings, and precision components.



Ordering Information

- UHT-400

TECHNICAL SPECIFICATION

Hardness Scales	HV, HRC, HRB, HRA, HS, HL, HB, HRE, HRF
Measurement Range	HV(50-1700), HL(170-960), HRC(20-70), HRB(13-100), HRA(60-85.8), HS(26.4-99.5), HB(30-651), HRE(20-70), HRF(60-100)
Resolution	1HV, 0.1HRC
Accuracy	±4%H+10HV, ±2.5HRC (Probe fixture stand test, H as the standard value)
Repeatability	3%H+8HV, 2HRC (Probe fixture stand test, H as the standard value)
Test Force	20N
Display	240x240 dot matrix IPS
Power Supply	Rechargeable lithium battery 3.7V@1000mAh, full charge for over 5000 continuous measurements
Charging Port	USB(Type-C)
Power supply	Rechargeable, Li-Pol, 3.7V 3000mAh
Minimum Sample Requirement	≥300 g mass and ≥5 mm thickness
Size	185x43x45 mm
Weight	245 g
Working Temperature Range	-10~50°C, 0~85%RH (no condensation)

ENGINEERED FOR ACCURACY. MR-HD700 | MR-LH70 | MR-UCI70

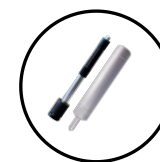
AULIMET Portable Hardness Testers combine advanced Leeb Rebound and Ultrasonic Contact Impedance (UCI) technologies to deliver fast, accurate and reliable hardness measurement in any environment.

Designed for quality control, inspection and maintenance applications, our instruments offer laboratory-level accuracy with the convenience of a portable solution.



TECHNICAL SPECIFICATION

Hardness Measurement Ranges	Rockwell: 20 – 70 HRC* Brinell: 20 – 650 HB* Vickers: 230 – 940 HV* <i>*Extended calibration is possible when certified reference samples are available for each hardness scale.</i>
Measurement Accuracy	Rockwell: ±0.2 HRC (standard: ±2 HRC) Brinell: ±3 HB (standards allow ±10 to ±20 HB, depending on range) Vickers: ±3 HV (standards allow ±15 to ±25 HV, depending on range)
Hardness Scales	
UCI probe (types U, S, R, P, L)	HRC, HB, HV, Mpa, BHN, BHV
Leeb probe (types D, DC, DL, C, E, G) Additional scales for Calibration	HRC, HRB, HB, HV, HL, Mpa, BHN, BHV Standard scales, custom scales, 1-point calibration scales calibration
Display	3.5" TFT LCD, 320x480 resolution
Programmable scales	Additional scales beyond 450
Standards	ASTM A1038-26 (For UCI) ASTM A956/A956M-22 (For Leeb)
PC connection	USB, results processing, report generation
Memory capacity	128Mb (Possibility of saving more than 4000 measurements)
Power supply	Rechargeable, Li-Pol, 3.7V 3000mAh
Work without recharging	Upto 9 hours
Incorrect Measurement Rejection	Yes



Ordering Information

- MR-LH70 (Leeb)
- MR-UCI70 (UCI)
- MR-HD700 (UCI + Leeb)