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demo protocol

UCI HARDNESS TESTER LAB UCI

ULTRAPORTABLE

HIGH AUTONOMY

CALIBRATION FOR ANY METALS

SPECIAL MULTIFUNCTIONAL NOZZLE

Wireless hardness tester NOVOTEST Lab UCI implements the ultrasonic contact impedance method.

Connect the device to the NOVOTEST Lab application to transform it into a versatile tool with unmatched functionality.



Create graphs, histograms, and statistics effortlessly. Save measurements with comprehensive protocols including text, audio, photos, and videos. Easily transfer test reports with a single click via your preferred messenger or email, and synchronize your archives with cloud storage.

UCI HARDNESS TESTER LAB UCI PRO



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NEW
GENERATION
PROBE

ERGONOMIC
DESIGN

BRIGHT
CONTRAST DISPLAY

MEASUREMENTS
WITHOUT SMARTPHONE

NEW HIGH PRECISION
MEASUREMENT TECHNOLOGY

Compared to the previous device version, the repeatability of results is significantly improved, with reduced influence from the operator and measurement technique.

There is no need to hold the probe with the applied main load; special technology allows to fix the frequency at the right moment, regardless of the user.



The contrast display allows users to do measurements not only in NOVOTEST Lab, but also without a smartphone. This makes hardness testing quick and easy. The ergonomic design ensures a comfortable grip, preventing slipping, and is suitable for both right- and left-handed users.

SPECIFICATIONS

UCI probe loads	1kg (10N), 5kg (50N), 10kg (98N)
Measurement range	Vickers HV: 240~940, Rockwell HRC: 20~70, Brinell HB: 90~650 Tensile strength, MPa 370~1740 Measurement ranges can be expanded by the user (for example: 1 – 2000HV)
Measurement accuracy	±15HV, ±2HRC, ±10HB
Scales	HRC, HB, HV, HRA, HRB, MPa
Materials	Pre-calibrated for steel, brass, aluminum Additional custom scales and materials for calibration
Measuring direction	Any direction 360°
Data storage	NOVOTEST Lab App – limited only by the memory of the Android gadgets Cloud storage – limited only by the memory of the Cloud storage
Data transfer	Wireless connection with Android smartphones, tablets, etc.: - NOVOTEST Lab App PC: - Web interface – NOVOTEST.INFO
Languages	English, Ukrainian, Russian *additional languages available by request.
Power supply / Charging	Built-in battery / USB 5V
Batteries life	10 h
Operating environment	Temperature: -30°C ~ 60°C, Humidity: <95% R.H. at 35°C
Dimensions and weight of tester	160x26 mm (36 mm with nozzle) / 0.165 kg

SPECIFICATIONS

UCI probe loads	1kg (10N), 5kg (50N), 10kg (98N)
Measurement range	HV 10 – 1999 (9999), HB 76 – 618, HRB 41 – 105, HRC 20,3 – 68, HRE 70 – 108,5, HRF 82,6 – 115,1, HRA 60,7 – 85,6, HRD 40,3 – 76,9, HR45N 19,9 – 75,4, Knoop HK 87 – 920, Shore HS 34,2 – 97,3, Tensile strength MPa 255 – 2180
Measurement accuracy	<4% (HV5, HV 10)
Scales	HV, HB, HRB, HRC, HRE, HRF, HRA, HRD, HR45N, Knoop, Shore, Tensile strength MPa
Materials	Pre-calibrated for Non-Austenitic Steels, Nickel, Brass, Stainless Steel, Copper, Alloyed White Irons, Aluminum
Measuring direction	Any direction 360°
Data storage	NOVOTEST Lab App – limited only by the memory of the Android gadgets Cloud storage – limited only by the memory of the Cloud storage
Data transfer	Wireless connection with Android smartphones, tablets, etc.: - NOVOTEST Lab App PC: - Web interface – NOVOTEST.INFO
Languages	English, Ukrainian, Russian, Spanish *additional languages available by request.
Power supply / Charging	Built-in battery / USB 5V
Batteries life	10 h
Operating environment	Temperature: -30°C ~ 60°C, Humidity: <95% R.H. at 35°C
Dimensions and weight of tester	160x40 mm / 0.18 kg



LEEB HARDNESS TESTER LEEB LITE

NEW

ULTRAPORTABLE

HIGH AUTONOMY

VARIOUS DISPLAY MODES

PRECALIBRATED FOR DIFFERENT MATERIALS

NOVOTEST Leeb Lite is a reliable and easy-to-use hardness tester that employs the dynamic method. Its simple interface and controls make it convenient even for beginners.



This method is usually used for large products. Its advantages include the application for materials with a coarse-grained structure, non-ferrous metals, low requirements for the quality of the test object surface, as well as ease of use.

LEEB HARDNESS TESTER LAB LEEB

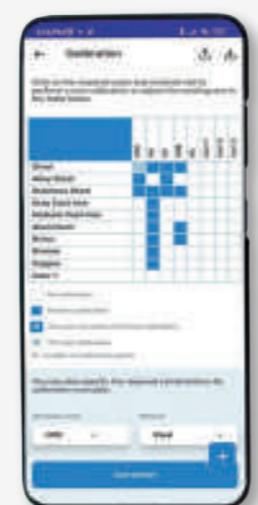
NEW

CALIBRATION FOR ANY SCALE

NOVOTEST LAB COMPATIBLE

PHOTO AND VIDEO CAPTURE

CLOUD STORAGE AND ONE-CLICK REPORTING



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This version of the device can connect to NOVOTEST Lab. Combined with a smartphone, it turns into a small portable multifunctional device for measuring, logging and sharing hardness testing results.

Perform data like graphs, histograms, statistics. Save measurements with text-, audio-, photo- and video records. Transfer test reports in one click by any convenient messenger or e-mail. Synchronize archive with cloud storage.

SPECIFICATIONS

Leeb probe type	D
Measurement range	HL: 100 – 999
Measurement accuracy	HLD: ± 4
Scales	HRC, HRB, HB, HV, HL
Materials	Precalibrated for steel, alloy steel, stainless steel, cast iron, nodular iron, aluminum, brass, bronze, copper
Measuring direction	0°, 45°, 90°, 135°, 180°
Languages	English
Power supply / Charging	Built-in battery / USB 5V
Batteries life	20 h
Operating environment	Temperature: -30°C ~ 60°C, Humidity: <95% R.H. at 35°C
Dimensions and weight of tester	150x45 mm / 0.07 kg

SPECIFICATIONS

Leeb probe type	D
Measurement range	HL: 100 – 999 Measurement ranges can be expanded by the user
Measurement accuracy	HLD: ± 4
Scales	HRC, HRB, HB, HV, HL, MPa and can be calibrated for any other scale
Materials	Precalibrated for steel, alloy steel, stainless steel, cast iron, nodular iron, aluminum, brass, bronze, copper Additional custom scales and materials for calibration
Measuring direction	0°, 45°, 90°, 135°, 180°
Data storage	NOVOTEST Lab App – limited only by the memory of the Android gadgets Cloud storage – limited only by the memory of the Cloud storage
Data transfer	Wireless connection with Android smartphones, tablets, etc.: - NOVOTEST Lab App PC: - Web interface – NOVOTEST.INFO
Languages	English, Ukrainian, Russian - with NOVOTEST Lab app *additional languages available by request.
Power supply / Charging	Built-in Lion battery / USB 5V
Batteries life	10 h
Operating environment	Temperature: -30°C ~ 60°C, Humidity: <95% R.H. at 35°C
Dimensions and weight of tester	150x50 mm / 0.075 kg

