

Leeb Hardness Tester NOVOTEST T-D3 NEW

Unique and unmatched Portable Hardness Tester!

High-precision, multi-functional, convenient, reliable and at affordable price!

- ✓ 88 combinations of materials and hardness scales (calibrations)
- ✓ Photographing of tested object
- ✓ Leeb probe
- ✓ Big color display
- ✓ Modes: statistic, graph, histogram.
- ✓ Smart mode
- ✓ Connection with PC
- ✓ Wireless printer



Description of Leeb Hardness Tester NOVOTEST T-D3:



Built-in camera allows to take a picture of tested object and mark tested area with corresponding hardness value.

User get the most reliable and intuitive method of logging of measurements.



Hardness tester has technical specifications that not inferior to the most eminent and expensive hardness tester of the world, with a much more extensive functionality!

The device works with dynamic (Leeb) probe. Dynamic (Leeb) probe is used for measuring the hardness of non-ferrous metals, cast iron, coarse-grained materials, massive products etc.








Device can be equipped with different types (D, DC, DL, C, D+15, E, G) of Leeb probe. Standard set of the device is included D type (universal) Leeb probe, other types by request.



Has different operating modes:



-  **Graph** - the mode of building of graph;
-  **Histogram** - the mode of building of histogram;
-  **Statistics** - the mode of statistic;
-  **Smart** - the mode of filtering of incorrect measurements;
-  **Signal** - the mode of displaying of signal.



Sealed housing with rubber protective strips - Hardness testers is ideal for use in workshop and field conditions with high humidity, dust, etc.

Hardness tester has frost-resistant display that allows user to use the device at any season and in any climatic zone of the Earth.

Leeb Hardness Tester NOVOTEST T-D3 specifications:

Leeb probe types	D, DC, DL, C, D+15, E, G
Measuring Range	HV:230~940; HRC:20~70; HB:90~650. Tensile strength, MPa 370~1740
Measuring Accuracy	HV:±3%HV; HRC:±1.5%HRC; HB:±3%HB
Indenter	Hardened ball
Measuring Direction	Any direction 360°
Data Storage	Limited only by the memory card
Communication	Upload data to PC and export as a spreadsheet (USB cable and software included)



Hardness Scale	HRC, HB, HV, HRB, HS, HL, MPa
Materials	<ul style="list-style-type: none"> - Dynamic (Leeb) pre-calibrated for steel, alloy steel, cast iron, stainless steel, aluminum, bronze, brass, copper. - Additional custom materials for calibration.
Data display	Angle of Leeb probe, Single test result, Max, Min, Average of tests, Number of tests, Deviation, Var. coeff, Histogram, Signal and Smart Mode (Filter of incorrect measurements).
Indication	Color LCD display (320x240)
Operating Environment	Temperature: -20°C~40°C; Humidity: 30%~80%R.H.
Power Supply	DC 4,5V (3 pc batteries AA)
Instrument Dimensions	160x75x30mm
Net Weight	Approx. 0.3kg (Without probe)
Battery life	Approx. 10 hours.



The device has PC software with a comfortable and intuitive interface

The screenshot displays the NOVOTEST AWP software interface. At the top, it says "NOVOTEST AWP Measuring the hardness of metals" and "NOVOTEST". Below this, there are fields for "Location of the archive" (C:\Users\Aron\Desktop\ARM), "Object", and "Operator". A "Download the archive" section includes "Move", "Copy", "from" (14.01.2013), "to" (12.12.2013), and "Abort" buttons. A table lists measurement records:

Record	Date/Time	Probe	N° probe	N° device
MEASUREMENT1	03/07/1963 23:00	UCI	1043861013	0081791113
MEASUREMENT	03/07/1963 23:00	REBOUND	Leeb	0081791113
MEASUREMENT2	03/07/1963 23:00	UCI	0081791113	0081791113
MEASUREMENT	01/01/2012 21:53	UCI	0081791113	0081791113
MEASUREMENT	01/01/2012 00:08	REBOUND	Leeb	0081791113
MEASUREMENT	01/01/2012 00:07	REBOUND	Leeb	0081791113

To the right of the table is a photo of a metal block with a hardness reading of 61.7 HRC. Below the table, a histogram shows three data points: 61.1, 62.4, and 61.6. A summary table on the right provides statistical data:

Maximum	62,4
Minimum	61,1
Deviation	1,3
Average	61,7
Standard deviation	2,2%
Mean square deviation	0,6
Variation coefficient	0,9%
The homogeneity of the s...	Yes
Number of measurements	3

Buttons for "Export", "Save", "Histogram", "Print", and "Delete" are visible at the bottom of the interface.



The advantages of Leeb Hardness Tester NOVOTEST T-D3:

- ✓ hardness measurement of any mass products with a thickness of 10 mm and weight of 5 kg
- ✓ wide range of hardness
- ✓ various measurement modes
- ✓ calibration of any scale in any range
- ✓ convenience and ease of measurement
- ✓ optimized number of buttons
- ✓ large full color graphic display with bright back-lighting
- ✓ extended temperature range (frost, down to - 40°C)
- ✓ internal memory and communication with PC
- ✓ new, intuitive menu with tips on the buttons
- ✓ optional wireless mini printer
- ✓ water resistant case
- ✓ rubber bumper protected case

