



NOVOTEST

Leeb Hardness Tester NOVOTEST T-D2-R



Datasheet

2022

1. Introduction

Leeb Hardness Tester NOVOTEST T-D2-R is a special version of the dynamic hardness tester with a miniature probe. The device has all the functions necessary for operation and allows to perform rapid measurements of the hardness of metals to the operator without experience with similar equipment.

It is usually used for bulk products, has low requirements for the quality of the tested surface, grain size and uniformity of materials..

The main advantages of Leeb Hardness Tester NOVOTEST T-D2-R are:

- *MINIATURE PROBE*

A dynamic probe is supplied with the device, which is good for measuring the hardness of metals of various shapes, including measuring the hardness inside pipes of small diameter, and other hard-to-reach tested objects.



- *DEVICE PRICE*

This is the most affordable hardness tester in our line of devices, which is achieved due to the mass production of this device, and the maximum simplification of the hardware, which makes the device as reliable as possible, but no less functional.

- *DESIGN*

The device can be heated in direct sunlight, and works perfectly in operating conditions at low temperatures (up to -25 °C). Also, thanks to a protective silicone case on the case, the device has high impact resistance characteristics, which makes it as versatile as possible.



2. Specifications

2.1 Advantages

- The best price among all similar devices
- The best offer (functionality-quality-price ratio) among all dynamic hardness testers
- DC type probe is the most universal, due to it's small size, it can be used for testing of samples with limited access (inside pipes, etc.)
- Wide range of hardness measurement
- Allows to test the products with coarse, non-uniform structure (castings, forgings)
- Very ease and simplicity in setup and operation
- Wide range of the operation temperature
- Bright contrast display

User can save the results of hardness measurements into the internal memory of the device and after that, transfer them to the PC.

2.2 Specifications

Range of hardness value	<ul style="list-style-type: none"> •Rockwell, HRC: 20 – 70 •Brinell, HB: 90 – 650 •Vickers, HV: 230 – 940 •Can be calibrated for any scale and any range.
Measurement accuracy	<ul style="list-style-type: none"> •HRC: 2HRC •HB: 10HB •HV: 15HV
Hardness scale	<ul style="list-style-type: none"> •Leeb probe – HRC, HB, HV, HL •Additional custom scales for calibration.
Materials	<ul style="list-style-type: none"> •Leeb probe – pre-calibrated for steel, alloy steel, stainless steel, aluminum or cast iron. •Additional custom scales and materials for calibration.
Standards	ASTM A956, ASTM E140
Storage of measurement results	256
Language	<ul style="list-style-type: none"> •English •Spanish •Portuguese •French •Russian *additional languages available by request
Dimensions, mm	122*65*23
Operating temperature range, ° C	-25 to +40

Power supply 2pcs AA batteries

Batteries life, not less, h 20

Weight of electronic unit with batteries, no more, kg 0.2

2.3 Available options

- Batteries
- Charger
- Hardness calibrations blocks
- Portable grinding machine
- Case for hardness tester

2.4 Standard package

- Hardness tester
- D1 dynamic DC-R-type probe
- AA batteries – 2 pcs
- Charger
- USB cable
- Operating manual
- Software for PC
- Case

