SONODUR 3 LITE LEEB

Essential Leeb hardness testing performance – proven quality for mobile applications.

Essential Leeb performance. Proven quality.
The SONODUR 3 LITE LEEB is dedicated to pure Leeb hardness testing: focused, reliable, and uncompromising in accuracy. It uses the same high-quality probes and delivers the same precision as the SONODUR 3, while leaving out additional functions. Designed for straightforward operation, the LITE LEEB version omits camera features such as image storage, barcode naming, and DataMatrix adjustments. UCI probe compatibility and Wi-Fi connectivity are not included; data transfer takes place via USB connection to your computer.

Alongside the Bluetooth-enabled probes, new wired Leeb probes now offer even greater flexibility. Choose from wired Leeb D and G or Bluetooth Leeb D, G, and DC probes.

Your advantages at a glance:

- User-friendly: The probes are easy to handle and can be mastered within minutes.
- Fast measurement: Perfect for serial testing of larger components.
- Comprehensive data storage: All relevant results can be saved, e.g. as Excel or TXT files.
- Replaceable impact body: The Impact body can be replaced by the user at any time – no need to send the unit in.
- Automatic Conversion to All Common Hardness Scales: Instantly displays results in any customer-specified scale (HV, HB, HRC, HRB, etc.) according to EN ISO 18265-2019, ASTM E140-2019 and EPRI correlation P-91 2020 standards.

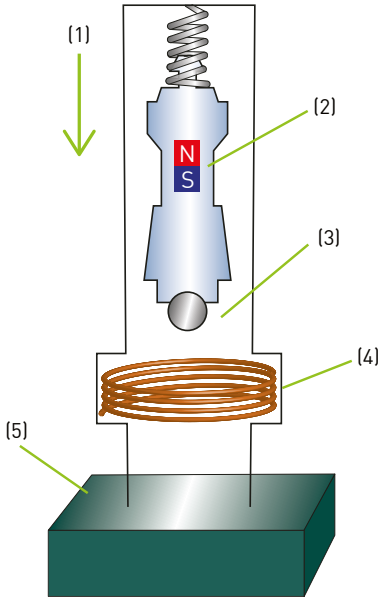
LEEB Probes

Wired LEEB probes (New)

Wired LEEB probes eliminate the need to charge an additional battery, keeping operation simple and efficient. They connect via a 1.5 m cable (included) or an optional 3 m version, offering maximum flexibility. After use, the probe can remain connected on the probe side, and during operation, the probe can be switched off to save energy while still attached to the device.

Bluetooth LEEB probes

Bluetooth-connected probes offer maximum flexibility and enable measurements in any position, without restrictions due to cables and without having to hold the device directly in your hand. The battery integrated into the probe offers a runtime that matches that of the device, ensuring uninterrupted operation.



(1) Test force
(2) Magnet
(3) Carbide ball
(4) Coil
(5) Test material

Test method

Leeb Rebound Hardness Testing

In the Leeb rebound method, a small impact body with a carbide ball strikes the surface of the test piece at a defined energy. The surface deformation causes a loss of kinetic energy. This energy loss is determined by measuring the impactor's velocity before and after contact, and the hardness value is calculated from this difference.

Compliance with international standards forms an important part of professional quality assurance and ensures the high quality of the end product. The SONODUR 3 LITE LEEB performs Leeb testing according to ASTM A956, ISO 16859, GB/T 17394.

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