



SONO L

Bluetooth Leeb rebound sensors for fast and reliable hardness testing



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Reliable Leeb Hardness Testing for Large Components. The SONO L Leeb rebound sensors combine robust construction with advanced sensor technology to deliver fast, repeatable hardness measurements on large and heavy metal components. Designed for demanding industrial environments, they provide reliable results both in production and during field inspections. The wireless sensors communicate directly with SONODUR 3 via Bluetooth, offering maximum flexibility without compromising measurement accuracy.

Measurement results are evaluated within the Android-based SONODUR 3 platform, where statistical analysis, graphical visualization, tolerance monitoring and data export support efficient documentation and evaluation. The Leeb rebound method determines hardness by measuring the energy loss of an impact body striking the material surface. It is ideally suited for large, solid workpieces with a minimum weight of 5 kg and a minimum wall thickness of 25 mm (SONO HLD), enabling fast, non-destructive hardness testing directly on site.

YOUR ADVANTAGES AT A GLANCE

Fast hardness testing on large components: Ideal for heavy, solid workpieces where portable and efficient testing is required.

Reliable and repeatable measurement results: Advanced sensor technology ensures consistent hardness values in industrial applications.

Wireless operation via Bluetooth: Cable-free communication with SONODUR 3 provides maximum flexibility when measuring large or difficult-to-access components.

Immediate readiness for use: Connect the sensor, start the measurement and receive results within seconds.

Material-specific calibration: Comparative measurements allow easy adaptation to materials with different elastic moduli, including cast iron, aluminium alloys and other non-ferrous metals.

Robust industrial design: Built for reliable operation in production environments and demanding field applications.

TECHNICAL INFORMATION

MEASURING METHOD:	Leeb rebound (dynamic hardness testing)
APPLICATIONS:	Large, solid metal components
MINIMUM WORKPIECE WEIGHT:	5 kg
MINIMUM WALL THICKNESS:	> 25 mm (SONO HLD)
DATA TRANSMISSION:	Bluetooth
COMPATIBLE DEVICE:	SONODUR 3, SONODUR 3 LITE LEEB
HARDNESS CONVERSION:	HV, HB, HRC, HRB, HS, tensile strength (depending on material)
CONVERSION STANDARDS:	ISO 16859, EN ISO 18265:2019, ASTM E140:2019, EPRI P91:2020



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