Hardness testing

dynaROCK III

universal Leeb rebound hardness tester

- Fast and easy hardness testing
- Measuring method according to DIN EN ISO 16859 und ASTM A956
- Robust metal casing
- Large LCD colour display
- Embedded Lithium-Ion battery
- 12 groups of materials
- Extensive storage and statistical functions
- USB-C interface for data transfer to PC and USB flash drive

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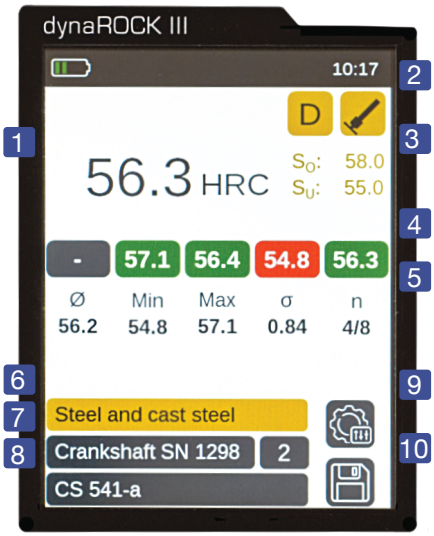
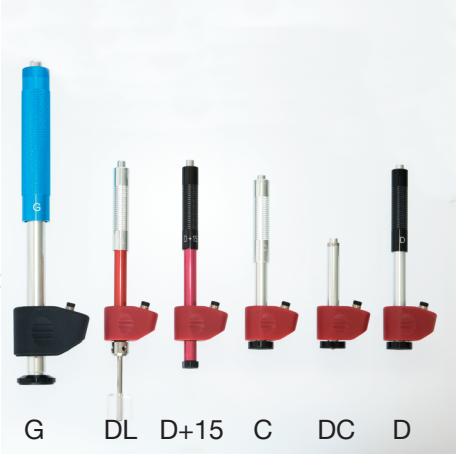
universal Leeb rebound hardness tester

The dynaROCK III works according to the Leeb rebound hardness test method for metallic materials. It is developed and produced by BAQ GmbH.

The dynaROCK III combines easy operation with high precision and reliability. For different applications, six impact device types are available. The type of the connected impact device is identified automatically.



1 - Hardness value / scale
2 - Impact device type / direction
3 - Limits
4 - History
5 - Statistics
6 - Material
7 - Name / No. of serial measurement
8 - Measurement parameters
9 - Settings
10 - Save



Technical data:

Hardness scale:	HRC, HB, HV, HRB, HL, HS and tensile strength (N/mm²)
Display:	3.5“ TFT-LCD colour display, 640 x 480 pixels
Statistics:	average value, standard deviation, minimum, maximum
Data memory:	> 1 Mio. data records with date, time, GOOD/BAD rating and impact direction
Power supply:	Built-in Lithium-Ion battery, 6800 mAh, approx. 13 h operating time
Interface:	USB-C (charging and data transfer), connector for impact devices, Bluetooth 5.0 BLE
Dimensions:	154 x 84 x 23 mm
Weight:	430 g

Minimum weight of the sample on a flat, stable surface: approx. 2 kg

Standard scope of supply:

Basic device, impact device type D with cable, factory calibration certificate, hardness comparison block with manufacturer‘s calibration, cleaning brush, USB-stick with manuals, USB cable, charging adapter, case

Optional accessories:

Support rings for measurements on curved surfaces (concave / convex), hardness comparison blocks for impact devices Dxx and C in 5 different hardnesses, hardness comparison blocks for impact device G in 2 different hardnesses. All test blocks available with factory calibration or DAkkS certificate

Type G:
Impact device with increased impact energy for measurements on heavy casting and forged parts. The surface quality requirements are lower as with type D. Measurement range up to Brinell 650 HB

Type DL:
Impact device with longer impact body

Type D+15:
Impact device with small placement surface

Type C:
Impact device with reduced impact energy e.g. for measurements on surface-hardened parts

Type DC:
Extremely short impact device for measurements at difficult-to-access locations or in pipes

Type D:
Standard impact device for most hardness testing tasks

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