

PRODUCT DESCRIPTION

The latest product hardness tester RHL-100 durometer is equipped with a backlit colour display and equipment

The durometer RHL-100 has been developed for hardness measurements on metallic materials. The durometer measures the material hardness in Vickers, Brinell, Rockwell, Leeb and Shore. The durometer RHL-100 measures the hardness according to the Leeb rebound principle. An impactor bounces on the workpiece via a firing pin and the metal hardness is measured via the rebound. The RHL-100 durometer is equipped with a backlit colour display.

Likewise, the buttons on the RHL-100 are illuminated. Thus, the display can be read well even in low light conditions. The impact device is connected to the hardness tester via a cable. The durometer RHL-100 has an internal memory of 6 x 100 measurement sets. The memory thus allows a documentation of the measured values. Via the integrated USB and WiFi interface, the measured values can be transferred from the durometer via software to a PC. The durometer is powered by commercially available 1.5V AA batteries and has a battery life of about 50 hours.

- USB and WiFi for data transmission
- Large, bright touch-screen LCD display
- Large measuring range
- Measurement possible in every position
- Hardness scales (HRC, HRB, HV, HB, HS)
- For all metallic materials

Measuring range	170 ... 960 HLD
Reproducibility	± 6 HLD
Impactor	Type D
Measuring direction	360°
Adjustable scales	Leeb, Brinell, Rockwell A, Rockwell B, Rockwell C, Vickers, Shore
Surface quality Ra of the workpiece	2 µm
Minimum weight of the workpiece	Direct measurement: 5 kg / 11 lbs Tied measurement: 2 ... 5 kg / 4.4 ... 11 lbs With coupling gel: 0.05 ... 2 kg / 0.1 ... 4.4 lbs
Minimum thickness of the workpiece	Direct measurement: > 5mm / > 0.19 in With coupling gel: 0.8 ... 5 mm / 0.03 ... 0.19 in
Display	Color LCD
Internal measured value memory	600 records in 6 files
Interface	USB, WiFi
Power supply	2 x 1.5V AA batteries
Operating time	ca. 50 hours
Operating conditions	10 ... 50°C / 50 ... 122°F max. 90% r.H.
Storage conditions	-30 ... 60°C / -22 ... 140°F max. 90% r.H.
Dimensions	160 x 80 x 35 mm / 6.3 x 3.1 x 1.3 in
Weight	350 g / < 1 lb

Standard Delivery:

- 1 x Durometer RHL-100
- 1 x Impactor D
- 1 x Test block
- 2 x 1.5V AA batteries
- 1 x User manual
- 1 x Carry case

