



## LEEB HARDNESS TESTER RML – 200

Portable Leeb Hardness Tester RML-200 is the manual addition to our extensive range of portable rebound hardness testers following Leeb principle with easy and fast operation, excellent accuracy, versatile, compact and lightweight.

Portable size of RML-200 allow them to test large and heavy forgings or castings, such as steel mill rolls and turbine housings. These hardness tester require access to only a small surface area. This leeb tester can be used in many applications in various industries such as aerospace, automotive, primary metals, metal fabrication, petroleum, chemical, and utilities.



### FEATURES

- Self contained : no cables. integrated impact direction sensor.
- Highly accurate ( $\pm 4\text{HLD}$ ) in any impact direction ( $360^\circ$ )-automatically
- Integrated display of results for all common hardness scales.
- Large, high contrast LCD for optimum viewing in all conditions.
- Easy calibration.
- Full USB communication with PC, software included free of charge.
- Internal storage of data with day and time.
- Battery: Rechargeable Li ion, charges through device USB port.
- Intelligent sleep mode.
- Printer: Wireless (Bluetooth) mini printer



## TECHNICAL SPECIFICATION

Product Name	Leeb Hardness Tester						
Model	RML-200D	RML-200DC	RML-200DL	RML-200C	RML-200D+15	RML-200E	RML-200G
Impact Device	D	DC	DL	DC	D+15	E	G
Hardness Scale	HL,HRC ,HRB, HRA, HV,HB,HS						
Measuring Range	(170-960)HLD,(17-68.5)HRC,(19-651)HB,(80-976)HV,(30-100)HS,(59-85)HRA(13 -100)HRB						
Measuring Direction	0~360°						
Indicating Error	HLD:±5; HRC:±1; HB:±4						
Memory	500 Groups test maximum						
Printer	Wireless (Bluetooth) mini printer.						
Shell Material	Plastic						
Statistics	Average value, min-max ,upper-lower limits						
Data-Output	USB						
Work Piece Radius	Rmin=50mm(with support ring Rmin=10mm)						
Min. Workpiece Weight	2~5kg on stable support 0.05~2kg with compact coupling except C and G impact device						
Workpiece min. thickness Couple	5mm,expect with impact device G:10mm,C:1mm						
Workpiece min. case Hardened Depth	0.08mm expect C impact device 0.2mm and impact device 1.2mm						
Operating Temperature	0 °C to 40 °C;Humidity: 5%~95%.						
Battery	Rechargeable Li ion, charges through device USB port,						



## MEASURING RANGE/MATERIALS

Material	HLD	HRB	HRC	HB	HV	HSD
Steel and cast steel	300-900	38-100	20-68	81-654	81-955	32-100
Cold work tool steel	300-840	—	20-67	—	80-898	—
Stainless steel	300-800	46-101	—	85-655	85-802	—
Grey cast iron	360-650	—	—	93-334	—	—
Nodular cast iron	400-660	—	—	131-387	—	—
Cast aluminum alloys	170-570	23-84	—	19-164	—	—
Brass	200-550	13-95	—	40-173	—	—
Bronze	300-700	—	—	60-29	—	—
Copper	200-690	—	—	45-315	—	—