



## LEEB HARDNESS TESTER RDL – 500

Portable Leeb Hardness Tester RDL-500 is the most advance digital 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 RDL-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

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- Metal shell, nice appearance design
- Available to save 2000 groups test results
- Support hardness conversion among HRC, HRA, HRB, HV, HB, etc, can convert 2 different scales simultaneously.
- 4" LCD to display hardness result, conversion results, Max, Min,Mean value.
- Support blue tooth printer, with RS232 to connect computer for software running
- Can test all kinds of metal which more than 5kg
- Indicating error  $\pm 5\text{HLD}$ , conform standard ASTM A956.
- Support 7 types of impact devices



## TECHNICAL SPECIFICATION

Product Name	Portable Leeb Hardness Tester
Model	RDL-500
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°
Data Storage	maximum 2000 Groups test Results
Data-Output	RS232/Printer
Hardness Indication	240x160 graphic dot color LCD display
Hardness Scale	HL、 HBW、 HRB、 HRC、 HRA、 HV、 HS
Shell Material	Metal
Indicating Error	HLD : ±6 HRC : ±1 HB : ±4
Language Option	English, German, Portuguese, Turkish
Statistics	Average value, min-max ,upper-lower limits
Impact Device	D (standard)
Optional impact Devices	DC/D+15/DL/G/C/E
Work piece radius(convex/concave)	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, G:10mm,C:1mm
Workpiece min. case hardened depth	0.08mm C: 0.2mm G:1.2mm
Power Supply	4.2V
Dimension	160x 80 x 31mm



## MEASURING RANGE/MATERIALS

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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	—	—



## SCOPE OF SUPPLY

Standard Delivery	Standard Delivery
Instrument Main Body	RoboTest certificate
Impact device type D	Charger
Hardness Block(750-830)HLD	Accessories Box
Cleaning brush	Instrument Manual



Impact Device



Optional Support Ring



Optional Blue Tooth Printer