

PORTABLE HARDNESS TESTER

LEEB HARDNESS TESTER LEEB110/120



FEATURES

- Automatically identify 7 types of Impact devices for special application
- Freely switch to hardness scales HRB, HRC, HV, HB, HS, HL
- Direct calibration on HL, HRC, HB
- Test at any angle, even upside down
- Large LCD screen with back-light, showing all functions and parameters
- Upper and lower limit and sound alarm
- Conversion to tensile strength (U.T.S)

01

MEASURING MATERIALS

Steel and cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloys (brass), an alloy of copper and tin, copper (bronze), forged steel.

TECHNICAL SPECIFICATION

Model	Leeb110	Leeb120
Measuring Range	(170-960)HLD, (17.9-69.5)HRC, (19-683)HB, (80-1042)HV, (30.6-102.6)HS, (59.1-88)HRA, (13.5-101.7)HRB	
Hardness parameter	HL, HRC, HRB, HS, HB, HV	
Accuracy	±8HLD/ ±1.5HRC	
Memory	350 groups	
PC Connection	No	Available
Battery	2 AAA	
Operating Temperature	-20°C ~ +60°C	
Dimensions	129*88*25mm	
Impact Devices	Fixed D	D, DC, DL, D+, 15, G, C, E
Weight	230g	240g
Standard Delivery	Main unit, Impact Device type D, Operation manual, Power adapter, Small supporting ring, Cleaning brush, Calibration block, Certificate.	
Optional Accessories	optional Impact Devices (only for Leeb120), Shaped support ring	



02

PORTABLE HARDNESS TESTER

LEEB HARDNESS TESTER LEEB130



FEATURES

- High quality metal sheet.
- Automatically identify 7 types of Impact devices for special application
- Freely switch to hardness scales HRB, HRC, HV, HB, HS, HL
- Direct calibration on HL, HRC, HB.
- Test at any angle, even upside down
- Large LCD screen with back-light, showing all functions and parameters
- Conversion to tensile strength (U.T.S)

03

MEASURING MATERIALS

Steel and cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloys (brass), an alloy of copper and tin, copper (bronze), forged steel

TECHNICAL SPECIFICATION

Model	Leeb130
Measuring Range	(170-960)HLD, (17.9-69.5)HRC, (19-683)HB, (80-1042)HV, (30.6-102.6)HS, (59.1-88)HRA, (13.5-101.7)HRB
Hardness parameter	HL, HRC, HRB, HS, HB, HV
Accuracy	±6HLD / ±1.5HRC
Display	LCD with back-light
Memory	350 groups
PC Connection	Available
Battery	2 AAA
Operating Temperature	-20°C ~ +60°C
Dimensions	130×70×25mm
Impact Device Type	D, DC, DL, D+15, G, C, E
Weight	300g
Standard Delivery	Main unit, Impact Device type D, Operation manual, Power adapter, Small supporting ring, Cleaning brush, Calibration block, Certificate.
Optional Accessories	optional Impact Devices, Shaped support ring, Software



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PORTABLE HARDNESS TESTER

LEEB HARDNESS TESTER LEEB140



FEATURES

- With built-in thermal printer
- PC Software for data transmission, analysis and measurement reports printing
- Direct calibrate on HL, HRC, HB, and freely switch to 6 different hardness scales
- Test at any angle and direction, even upside down
- Large LCD screen with back-light, showing all functions and parameters
- Conversion to tensile strength (U.T.S)
- Rechargeable Li-ion battery

05

MEASURING MATERIALS

Steel and cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloys (brass), an alloy of copper and tin, copper (bronze), forged steel.

TECHNICAL SPECIFICATION

Model	Leeb140
Measuring Range	(170-960)HLD, (17.9-69.5)HRC, (19-683)HB, (80-1042)HV, (30.6-102.6)HS, (93.1-88)HRA, (13.5-101.7)HRB
Hardness parameter	HL, HRC, HRB, HS, HB, HV
Accuracy	±6HLD/ ±1.5HRC
Display	LCD with back-light
Memory	600 groups
PC Connection	Available
Printer	Build-in High-speed Thermal Printer; Width for printer paper: 56.5±0.5mm
Battery type	Rechargeable Li-ion battery
Operating temperature	-20°C--+60°C
Dimensions	230×86×46mm
Impact Device Type	D, DC, DL, D+15, G, C, E
Weight	400g
Standard Delivery	Main unit; Impact Device type D; Operation manual; Power adapter; Small supporting ring, Cleaning brush; Certificate; Calibration block; Paper of Printer.
Optional Accessories	Optional Impact Devices, Shaped support ring, Paper for printer



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PORTABLE HARDNESS TESTER

LEEB HARDNESS TESTER LEEB160



FEATURES

- High stability and precision
- With built-in thermal printer
- Direct calibrate on HL, HRC, HB, and freely switch to 8 different hardness scales
- Automatically identify 7 types of Impact devices for special application
- Test at any angle and direction, even upside down
- Conversion to tensile strength (U.T.S)
- PC Software for data transmission, analysis and measurement reports printing

MEASURING MATERIALS

Steel and cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloys (brass), an alloy of copper and tin, copper (bronze), forged steel.

TECHNICAL SPECIFICATION

Model	Leeb160
Measuring Range	(170-960)HLD, (17.9-69.5)HRC, (19-683)HB, (80-1042)HV (30.6-102.6)HS, (59.1-88)HRA, (13.5-101.7)HRB
Hardness parameter	HL, HRC, HRB, HS, HB, HV, HRV, HSD
Accuracy	+6HLD/ ±1.5HRC
Display	LCD with back-light
Memory	600 groups
PC Connection	Available
Printer	Build-in High-speed Thermal Printer, Width for printer paper: 56.5±0.5mm
Battery type	Rechargeable Li-ion battery
Operating temperature	-20°C ~ +60°C
Dimensions	230×86×46mm
Impact Device Type	D, DC, DL, D+15, G, C, E
Weight	450g
Standard Delivery	Main unit, Impact Device type D, Operation manual, Power adapter, Small supporting ring, Cleaning brush, Certificate, Calibration block, paper of Printer.
Optional Accessories	Impact DC, D+15, DL, G, C, E. Shaped support ring. Paper for printer



PORTABLE HARDNESS TESTER

LEEB HARDNESS TESTER LEEB191



FUNCTION & FEATURE

- High quality metal shell
- LCD color screen with back-light
- Measuring hardness of all metallic materials
- Software for PC connection
- Freely switch to different hardness scales (HL, HB, HRB, HRC, HRA, HV, HS)
- Automatically identify 7 types of Impact devices for special application
- Rechargeable Li-ion battery with Low power consumption, standby time 150 hours.

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MEASURING MATERIALS

For all metallic materials.

TECHNICAL SPECIFICATION

Model	Leeb191
Measuring Range	(170-960)HLD, (17.9-69.5)HRC, (19-883)HB, (85-1042)HV, (30.6-102.6)HS, (59.1-88)HRA, (13.5-101.7)HRB
Hardness parameter	HL, HRC, HRB, HRA, HS, HB, HV
Accuracy	±6HLD, ±1.5HRC
Display	Color LCD with back-light
Memory	600 groups
PC Connection	Available
Battery	Rechargeable Lithium Battery
Operating Temperature	0°C-40°C
Dimensions	130*80*30mm
Impact Device Type	D, DC, DL, D+15, G, C, E
Weight	340g
Standard Delivery	Main unit, Impact Device type D, Operation manual, Power charger, Small supporting ring, Cleaning brush, Certificate, USB cable, calibration block.
Optional Accessories	Impact DC, D+15, DL, G, C, E, Shaped support ring, Software



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