

Midland Metrology Ltd – MH100 Pen-Type Portable Hardness Tester

ADVANTAGES

- Compact and integrated.
- It has a wide measuring range. It can measure the Leeb hardness of all metallic materials.
- Large LCD screen.
- Test at any angle, even upside down.
- Direct display of hardness scales: HRB, HRA, HV, HB, HS, HL.
- Large memory.
- Battery information capacity of the charge status.
- User calibration function.
- Software to connect to PC via USB port.
- Li-Ion rechargeable battery.
- Auto power off to save energy.
- Outline dimensions: 148 mm x 33 mm x 28 mm.



TECHNICAL SPECIFICATIONS

Error and repeatability of displayed value in the table below:

No.	Type of Impact device	Hardness value of Leeb standard hardness block	Error of displayed value	Repeatability
1	D	760+/-30 HLD 530+/-40 HLD	+/-6 HLD +/-10 HLD	6 HLD 10 HLD
2	DL	878+/-30 HLDL 736+/-40 HLDL	+/-12 HLDL	12 HLDL
3	C	822+/-30 HLC 590+/-40 HLC	+/-12 HLC	12 HLC

- Measuring Range: HLD (170-190)
- Measuring Direction: 0 – 360
- Hardness Scale: HL, HB, HRB, HRC, HRA, HV, HS.
- Display: Segment LCD.
- Data Memory: 100 Groups Max.
- Battery: 3.7V Li-Ion, Rechargeable.
- Battery Charger: 5B/500mA.
- Continuous Working Period: about 200 hours.
- Communication Interface: USB1.1.

STANDARD CONFIGURATION

- Main Unit 1
- Cleaning Brush 1
- Small Support Ring 1
- Standard Test Block 1
- Data Proceeding Software 1
- Li-Ion Battery 1
- Manual 1
- Battery Charge 1
- USB Cable 1
- ABS Instrument Case 1

WORKING CONDITIONS

- Working Temperature: -10 C / + 50 C
- Storage Temperature: - 30 C / + 60 C
- Relative Humidity: 90%
- The surrounding environment should avoid vibration, strong magnetic field, corrosive medium and heavy dust.

MAIN APPLICATION

- Die cavity of molds.
- Bearings and other parts.
- Failure analysis of pressure vessel, steam generator and other equipment.
- Heavy work piece.
- The installed machinery and permanently assembled parts.
- Testing surface of a small hollow space.
- Material identification in the warehouse of metallic materials.
- Rapid testing in large range and multi-measuring areas for large-scale work piece.

OPTIONAL CONFIGURATION

- Other type impact device and support rings.

TESTING RANGE

- The model includes D Type, C Type and DL Type according to the impact device.

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