

# Portable Hardness Tester

Model: LHT-200

*a measurable difference...*

**IDM**<sup>®</sup>  
instruments

The LHT-200 Series LEEB Hardness tester is designed for users wanting the ultimate in hardness testing capabilities with comprehensive data results display and storage. Available with different impact devices to perform almost any metal hardness testing from castings through to small finished components, it is commonly used in production QC and to determine fit for purpose and to gauge condition of metal parts and components.

The LHT-200 is easy to operate and calibrate with the included reference hardness test block and achieves highly accurate and repeatable results within  $\pm 6$  HLD as standard.

Results are displayed on the pda alongside conversions to the scales of HRC, HRB, HB, HV, MPa and Shore. You can then one-touch print, or you can save the data and transfer to your PC later with the included USB cable.

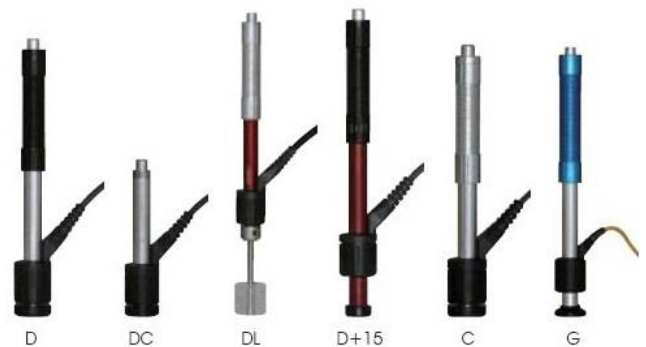


## Features:

- 3.9" LCD Touch screen display with stylus
- Dual hardness value display in HL and user selected unit (HRC, HRB, HB, HV, MPa, HS Shore Duro)
- Live statistics update (rolling average and standard deviation)
- Test set data summary screen
- Auto Impact Device recognition
- One-touch print to 2.4G wireless printer
- USB communication

The key feature which enables this unit to measure a wide range of results is the ability to interchange impact devices. This makes the LHT-200 more economical as it is much better value to only have to buy an additional impact device rather than an additional complete tester.

- **D Type** impact devices are suitable for general use on most steels and other metal with thickness over 5mm and bulk weight above 5kg
- **DC Type** Impact devices are suitable for small spaces such as the inner face of pipework or in recessed areas where there is minimal headroom. Only 86mm total height.
- **DL Type** impact devices are suitable for deep and or narrow channels, grooves and holes. Needle point only 6mm diameter.
- **C Type** impact devices are suitable for small and lightweight work pieces less than 5mm and 2kg in weight. Also for surface hardened layers
- **G Type** impact device is suitable to big and heavy work pieces with rough surface such as raw castings.



Impact Devices	D/DC/DL	C	G
Impact Energy	11mJ	2.7mJ	90mJ
Mass of Impact body	5.5g/5.5g/7.2g	3.0g	20g
Hardness of spherical test tip	1600HV		
Material of spherical test tip	Tungsten Carbide		
Diameter of impact device	20/20/6mm	20mm	30mm
Length of impact device	147/86/202mm	141mm	255mm
Weight of impact device	75/50/60g	75g	250g
Max Hardness of workpiece	940/940/950HV	1000HV	650HV
Surface Roughness of workpiece	≤1.6μm	≤0.4μm	≤6.3μm
Min weight of workpiece (direct)	>5Kg	>1.5Kg	>15Kg
Min weight of workpiece (supported)	2 ~ 5Kg	0.5 ~ 1.5Kg	5 ~ 15Kg
Min weight of workpiece (coupled)	0.05Kg ~ 2	0.02 ~ 0.5Kg	0.5 ~ 5Kg
Min thickness of workpiece (coupled)	5mm	1mm	10mm
Min thickness of hardened layer	0.8mm	0.2mm	1.2mm

### The Complete Kit includes:

- LHT-200 Portable Hardness Tester  
HL Display Range: 170 – 960 HLD  
Repeatability: ±6 HLD  
Selectable Test Direction  
Weight: 300g
- Charger
- Data Cable
- Test Block
- Wireless Mini Printer
- Set of Impact Devices (D, DC, DL, C, G)
- Cleaning Brush
- Calibration Certificate



**\*\* All pieces can be purchased individually if required**

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