

# Leeb Hardness Tester Model LXH150-A

For more information and price: visit [www.hightechpakistan.com](http://www.hightechpakistan.com)

## Features

- 1) LCD display with backlight ;
- 2) Capable of measurement for multiple metal materials and user- friendly;
- 3) Material of “cast steel” is added; HB values can be read out directly when D/DC impact device is used to measure “cast steel” work piece
- 4) Compatible with 7 types impact devices. When changing impact device, the type can be identified automatically and no need to calibrate again
- 5) Various direction measurement and the direction can be auto recognized
- 6) Multiple common hardness scales conversion (HV ,HB,HRC,HRB,HRA,HS)
- 7) Max 600 data can be stored including information of value, average, impact direction, scale, impact times, date etc.
- 8) A additional computer analysis software to process the test data
- 9) Alarm function and the upper and lower limits can be preset

## Technical Data

### Accuracy and technical data for different impact devices

| No. | Type of Impact device | Standard test block          | Indication error    | Indication repeatability |
|-----|-----------------------|------------------------------|---------------------|--------------------------|
| 1   | D                     | 760±30HLD<br>530±40HLD       | ±6 HLD<br>±10 HLD   | 6 HLD<br>10 HLD          |
| 2   | DC                    | 760±30HLDC<br>530±40HLDC     | ±6 HLDC<br>±10 HLDC | 6 HLD<br>10 HLD          |
| 3   | DL                    | 878±30HLDL<br>736±40HLDL     | ±12 HLDL            | 12 HLDL                  |
| 4   | D+15                  | 766±30HLD+15<br>544±40HLD+15 | ±12 HLD+15          | 12 HLD+15                |
| 5   | G                     | 590±40HLG<br>500±40HLG       | ±12 HLG             | 12 HLG                   |
| 6   | E                     | 725±30HLE<br>508±40HLE       | ±12 HLE             | 12 HLE                   |
| 7   | C                     | 822±30HLC<br>590±40HLC       | ±12 HLC             | 12 HLC                   |

### Basic technical data

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|                               |  |
|-------------------------------|--|
| <b>Measurement range:</b>     | (170 ~ 960) HLD; (17.9-69.5) HRC; (19-683) HB; (80-1042) HV; (30.6-102.6) HS; (13.5-101.7) HRB   |
| <b>Precision</b>              | ±6HLD (760±30HLD)  |
| <b>Hardness system:</b>       | Richter (HL), Brinell (HB), Rockwell B (HRB), Rockwell C (HRC), Vickers (HV), shore (HS)   |
| <b>Measurement direction:</b> | 360°(down, inclined down, level, inclined up and up)   |
| <b>Measuring materials:</b>   | steel and cast steel, alloy tool steel, cast aluminum alloy , gray cast iron, nodular cast iron, copper zinc alloy (brass), copper tin alloy (bronze), pure copper |
| <b>Display</b>                | Backlight LCD, 128*64 matrix LCD   |
| <b>Data storage:</b>          | Max 600 groups (related to the impact times 32 ~ 1))   |
| <b>Working voltage:</b>       | 2*1.5V (two AA size alkaline batteries)  |
| <b>Working time:</b>          | Stand by more than 100 hours   |
| <b>PC interface</b>           | USB  |
| <b>Standard Impact Device</b> | D type   |
| <b>Optional impact device</b> | D/C/DC/D+15/DL/G   |
| <b>Recognition function</b>   | Recognize the type of impact devices automatically   |

## Picture



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## Packaging



### Parts list for standard packing

| Parts Name           | Quantity |
|----------------------|----------|
| Tester               | 1        |
| D type impact device | 1        |
| Standard test block  | 1        |
| User Manual          | 1        |
| Tool case and foam   | 1        |
| Support ring         | 1        |
| Brush                | 1        |

**Weight for each unit:** 2.9 kg (including external carton);

### Additional parts

**Note:** .There is extra cost for the additional parts. You could contact the supplier to get the cost.