

# HLN-11A Leeb Portable Hardness Tester



HLN-11 is an advanced hand-held hardness tester distinguished by its high accuracy, wide measuring range, and simplicity of operation. It is suitable for testing on various conditions.

## Typical Applications

- In situ testing hardness of all metals, including large and / or heavy unmovable components, and items already installed as part of a machine, moulded die surfaces
- Heavy components e.g. roll for rolling mills, etc.
- Quick analysis of pressure vessels, turbo-generator sets, etc.
- Production Line Testing during manufacture, especially mass produced components e.g. crankshafts, cylinder blocks, etc.
- In difficult to access locations, or in confined spaces
- Material Identification

## Available Functions

- Display test results in all various hardness scales (HRB, HRC, HB, HV, HSD, HL)
- Test at any angle, even up-side-down
- Convert to Ultimate Tensile strength
- Immediate conversion between hardness scales, and print-out if desired
- Input and Print-out of Test Number, Date, Material Type and Test Direction
- Print-out of test results via integral printer if needed
- Battery low indication
- Protective carrying case completing with test block, support ring, cleaning brush and battery charger
- Seven Optional Impact Devices available: D ,DC ,DL ,D+15 ,C ,E ,G

## Specification

Overall Dimensions : 270 x 86 x 47 mm  
 Total Weight : 650g (including a impact device and a printer)  
 Operating temperature : Electronics :-10 to +45 deg C; Impact Device:- 20 to +120 deg C  
 Tolerance : +/-0.8%  
 Range :  $\sigma_b$  from 370-2000 UTS [ $10^6 \text{ N/m}^2$ ]

| HRC   | HRB    | HB     | HV     | HSD    | HL      |
|-------|--------|--------|--------|--------|---------|
| 20-68 | 13-100 | 30-650 | 80-890 | 32-100 | 200-900 |

Shipping Weight : 5.4 kg

## Standard delivery

- Main unit
- Battery charger
- Carrying case
- Manual
- Printer (on top)
- Support ring
- Impact Device D
- Guarantee card
- Test block( with HLD valve)
- Cleaning brush
- Time certificate

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