

HLN-11A



Features:

- Wide measuring range, for all metallic materials
- Direct display of hardness scales HRB, HRC, HV, HB, HS, HL
- Conversion to tensile strength (U.T.S.)
- Test at any angle, even upside down
- Removable printer included
- Six Impact Devices are available for special applications
- Large LCD display showing all functions and parameters
- Battery low indication
- Power charging indication on the keyboard by LED
- Fault distinguish in details (E1-E5)

Technical Specification

Hardness scales	HL, HRC, HRB, HV, HB, HS
Tensile strength U.T.S range	374~1999 MPa
Accuracy	$\pm 6\text{HLD}$ ($760 \pm 30\text{HLD}$) error of displayed value 6HLD ($760 \pm 30\text{HLD}$) repeatability of displayed value
Standard impact Device	D impact device
Optional Impact Devices	DC/D+15/G/C/DL impact devices
Max. Workpiece Hardness	996HV (For Impact Devices D/DC/DL/D+15/C) 646HB (For Impact Device G)
Min. Radius of workpiece (convex / concave)	Rmin=50mm (with support ring Rmin=10mm)
Min. workpiece weight	2~5kg on stable support 0.05~2kg with compact coupling
Min. Workpiece thickness	5mm (Impact Device D/DC/DL/D+15) 1mm (Impact Device C) 10mm (Impact Device G)
Min. Thickness of hardened layers	0.8mm
Power	Rechargeable batteries NiMH 5×1.2V 600mAh

Charging time	3 hours
Continuous working time	50hours (without printing and backlight)
Operating temperature	0~40°C
Relative humidity	±90%
Overall dimensions	268×86×50mm
Weight	615g (including impact device and printer)

Standard delivery

- Main unit
- Impact Device type D
- Test block with HLD value
- Charger
- Cleaning brush
- Table support for main unit
- TIME certificate
- Instruction manual
- Warranty card
- Carrying case

Optional accessories

- Printing paper
- ptional Impact Devices
- Support rings