

# UNIVERSAL HARDNESS TESTER TH-134 "IMPACT-DL"™

Handheld dynamic metal hardness tester TH-134 for confined spaces

- Dynamic rapid hardness test procedure
- Integrated impact device DL featuring testing in confined spaces
- Wide measuring range
- Direct display of hardness scales Rockwell HRB, HRC, Vickers HV, Brinell HB, Shore HS, Leeb's HLDL
- For materials steel and cast steel
- Impact device provides testing at any angle
- Simple handling and low test expenditure
- High accuracy  $\pm 0.5\%$
- Conforms to ASTM A 956
- Clear LCD display showing all functions and parameters
- Optional printer TA-220 available



Material	HLDL	HB	HRB	HRC	HV	HS
Steel and cast steel	560-950	81-646	37-100	21-68	80-950	30-96

*The ranges are stipulated by the application limits of the relevant static procedure*

## Technical specifications

Hardness parameter	HLDL, HRC, HRB, HV, HB, HS
Measuring range / metallic materials	See table above
Accuracy	Within $\pm 12$ HLDL
Statistics	Average (max. 99)
Output	RS-232 to printer
Min. Surface roughness of workpiece	1.6 $\mu$ m (Ra)
Impact device	DL (integrated)
Needle front section of DL-device	Diameter = 4.2mm Length = 50mm
Workpiece max. hardness value	950HLDL
Workpiece radius (convex/concave)	Rmin = 10mm
Workpiece minimum weight	2kg on solid support (0.1kg with couplant paste)
Workpiece min. thickness coupled	5mm
Workpiece min. case hardened depth	0.8mm
Indentation depth	See page: Impact devices data
Power	Rechargeable battery NiMH 3.6V, 70mAh
Charger	9V, 200mA (1.8VA)
Charging time	8 hours
Operating temperature	0°C to 40°C
Overall dimensions	210mm x 24mm x 55mm
Dimensions DL impact device	LxD 50mm x 4mm diameter
Weight	200gr

## Standard delivery

- Main unit with integrated impact device type DL
- Test block with HLDL-value
- Charger
- Cleaning brush
- Couplant paste
- Pocket protection case
- Certificate
- Manual
- Plastic carrying case

## Optional accessories

- Test blocks UKAS certified with any hardness parameter
- Printer TA-220 + cable
- See page accessories for IMPACT-series