

# UNIVERSAL HARDNESS TESTER TH-132 "IMPACT-C"™

Handheld dynamic metal hardness tester TH-132 for thin components

- Dynamic rapid hardness test procedure
- Integrated impact device C featuring low impact energy for surface hardened components and thin walled components
- Wide measuring range
- Direct display of hardness scales Rockwell HRC, Vickers HV, Brinell HB, Shore HS, Leeb's HLC
- For steel and cast steel, and cold work tool 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	HLC	HB	HRC	HV	HS
Steel and cast steel	350-960	80-683	20-69	80-996	31-102
Cold work tool steel	350-900	-	20-68	100-941	-

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

## Technical specifications

Hardness parameter	HLC, HRC, HV, HB, HS, HL
Measuring range / metallic materials	See table above
Accuracy	Within $\pm 12$ HLC
Statistics	Average (max. 99)
Output	RS-232 to printer
Min. Surface roughness of workpiece	0.4 $\mu\text{m}$ (Ra)
Impact device	C integrated
Workpiece max. hardness value	960HLC
Workpiece radius (convex/concave)	Rmin = 50mm (with support ring Rmin= 10mm)
Workpiece minimum weight	0.5kg-1.5kg on solid support (0.02kg-0.5kg with couplant paste)
Workpiece min. thickness coupled	1mm
Workpiece min. case hardened depth	0.2mm
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	155mm x 24mm x 55mm
Weight	175gr

## Standard delivery

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

## Optional accessories

- Test blocks UKAS certified with any hardness parameter
- Support rings for convex and concave surfaces
- Printer TA-220 + cable
- See page accessories for IMPACT-series