

UNIVERSAL HARDNESS TESTER TH-152™

Handheld dynamic metal hardness tester with integrated Impact device C

- Integrated Impact Device C featuring low impact energy for surface hardened components and thin walled components
- Memory for up to 256 data
- Battery low indication
- Clear LCD with backlight
- Data output RS-232
- Direct display of hardness values in Rockwell HRB, HRC, Vickers HV, Brinell HB, Shore HS, Leeb's HLC
- For materials steel and cast steel, CWT.ST and C.Alum
- Simple handling and low test expenditure
- Conforms to ASTM A 956
- Optional printer TA-220S available



Material	HLC	HB	HRC	HV	HS	HRB
Steel and cast steel	350-960	80-683	20-69	80-996	31-102	-
Cold work tool steel	350-900	-	20-68	100-941	-	-
C.Alum	230-640	23-210	-	-	-	22-85

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

Technical specifications

Standard Impact Device	C integrated
Hardness scales	HLC, HB, HRC, HRB, HV, HS
Measuring range / materials	See table above
Accuracy	±12HLC
Memory	256 average readings
Output	RS-232 to printer
Min. Surface roughness of workpiece	0.4µm (Ra)
Max. Workpiece Hardness	960HLC
Workpiece radius (convex/concave)	Rmin = 50mm (with support ring Rmin= 10mm)
Min. Workpiece weight	0.5~1.5kg on stable support 0.02~0.5kg with compact coupling
Min. Workpiece thickness coupled	1mm
Min. Thickness of hardened layers	0.2mm
Indentation depth	See page: Impact devices data
Continuous working time	300 h (without backlight)
Power	Battery Lithium 3V, CR½AA
Operating temperature	0°C~40°C
Overall dimensions	149mm x 60mm x 39mm
Weight	145gr

Standard delivery

- Main unit integrated with impact Device C
- Test block with HLC value
- Cleaning brush
- Battery Lithium 3V, CR½AA
- Data cable
- Certificate
- Manual
- Carrying case

Optional accessories

- Test blocks UKAS certified in any hardness parameter
- Support rings for convex and concave surfaces
- Printer TA-220S