

UNIVERSAL HARDNESS TESTER TH-150™

Handheld dynamic metal hardness tester with integrated Impact device D

- New model with ergonomic design!
- Dynamic rapid hardness test procedure
- Impact device D integrated: no cables!
- Wide measuring range
- Direct display of hardness scales Rockwell HRB, HRC, Vickers HV, Brinell HB, Shore HS, Leebs HLD
- For all metallic materials
- Provides testing at any angle, even upside down
- Simple handling and low test expenditure
- High accuracy $\pm 0.5\%$
- Clear LCD display showing all functions and parameters with backlight
- Conforms to ASTM A 956
- Data output RS-232 (Dataview software TH-150 optional)
- Optional printer TA-220S available



Material	HLD	HRB	HRC	HB	HV	HS
Steel and cast steel	300-900	38-100	20-68	81-654	81-955	32-100
Cold work tool steel	300-840	-	20-67	-	80-898	-
Stainless steel	300-800	46-101	19-62	85-655	85-802	-
Grey cast iron	360-650	-	-	93-334	-	-
Nodular cast iron	400-660	-	-	131-387	-	-
Cast aluminium alloys	170-570	24-84	-	19-164	-	-
Brass	200-550	13-95	-	40-173	-	-
Bronze	300-700	-	-	60-290	-	-
Copper	200-690	-	-	45-315	-	-

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

Technical specifications

Hardness parameter	HRC, HRB, HV, HB, HS, HLD
Measuring range / metallic materials	See table above
Accuracy	Within $\pm 6\text{HLD}$
Statistics	Average (max. 256)
Output	RS-232 (Dataview software optional)
Min. Surface roughness of workpiece	1.6 μm (Ra)
Impact device	D (standard) integrated
Workpiece max. hardness value	900HLD
Workpiece radius (convex/concave)	Rmin = 50mm (with support ring Rmin= 10mm)
Workpiece minimum weight	2kg-5kg on solid support (0.05kg-2kg with couplant paste)
Workpiece min. thickness coupled	5mm
Workpiece min. case hardened depth	0.8mm
Indentation depth	See page: Impact devices data
Continuous working time	300 h (without backlight)
Power	Battery Lithium 3V, CR $\frac{1}{2}$ AA
Operating temperature	0°C to 40°C
Overall dimensions	Height 158mm, Body diameter oval 60mm/39mm
Weight	150gr

Standard delivery

- Main unit with integrated impact device type D
- Test block with HLD-value
- Cleaning brush
- Couplant paste
- Battery Lithium 3V, CR $\frac{1}{2}$ AA
- Data cable
- Certificate
- Manual
- Plastic carrying case

Optional accessories

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