

UNIVERSAL HARDNESS TESTER TH-130 "IMPACT-D"™

Handheld dynamic metal hardness tester TH-130

- 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
- Conforms to ASTM A 956
- Data output RS-232 (Dataview software DV130 optional)
- Optional printer TA-220 available



Material	HLD	HRC	HRB	HRA	HB	HV	HS
Steel and cast steel	300-900	20-68	39-100	59-86	81-654	81-955	32-100
Cold work tool steel	300-840	20-67	-	-	-	80-898	-
Stainless steel	300-800	20-62	46-101	-	85-655	85-802	-
Grey cast iron	360-650	-	-	-	93-334	-	-
Nodular cast iron	400-660	-	-	-	131-387	-	-
Cast aluminium alloys	200-570	-	24-34	-	27-164	-	-
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	HLD, HRC, HRB, HRA, HV, HB, HS
Measuring range/metallic materials	See table above
Accuracy	Within $\pm 6\text{HLD}$
Statistics	Average (max. 99)
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
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	180gr

Standard delivery

- Main unit with integrated impact device type D
- Test block with HLD-value
- Charger
- Cleaning brush
- Coupling paste
- Pocket protection case
- Data cable
- Certificate
- Manual
- Plastic carrying case

Optional accessories

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