UNIVERSAL HARDNESS TESTER TH-170 ™

Handheld dynamic metal hardness tester with integrated Impact device D

- **New developed model of TH-130**
- Impact Device D integrated: no cables
- Memory up to 270 data in 9 group files
- Automatic identification of Impact test direction
- Upper and lower limit setting
- Possibility to delete the display result automatically or manually
- Battery low indication
- Large LCD with backlight
- Battery capacity display
- Data output USB direct to computer!
- Direct display of hardness values in Rockwell HRB, HRC, Vickers HV, Brinell HB, Shore HS, Leebs HLD
- For materials steel and cast steel
- Tests at any angle, even upside down
- Simple handling and low test expenditure

NEW!

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	-	85-655	85-802	-
Grey cast iron	360-650	-	-	93-334	-	-
Nodular cast iron	400-660	-	-	131-387	-	-
Cast aluminium alloys	170-570	23-84	-	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

Standard Impact Device	D integrated
Hardness scales	HLD, HB, HRC, HRB, HV, HS
Measuring range / materials	See table above
Measuring direction	360°
Accuracy	±6HLD (760 ±30HLD), ±10HLD (530 ±40HLD)
Memory	270 average readings in 9 group files
Output	USB 2.0
Min. Surface Roughness of Workpiece	1.6µm (Ra)
Max. Workpiece Hardness	900HLD
Workpiece radius (convex/concave)	Rmin = 50mm (with support ring Rmin= 10mm)
Min. Workpiece weight	2~5kg on stable support 0.05~2kg with compact coupling
Min. Workpiece thickness coupled	5mm
Min. Thickness of hardened layers	0.8mm
Indentation depth	See page: Impact devices data
Continuous working time	150 h (without backlight)
Power	AAA 1.5V batteries (2 pcs)
Operating temperature	0°C~40°C
Overall dimensions	155mm x 55mm x 25mm
Weight	Approx. 166gr

Standard delivery

- Main unit integrated with impact Device D
- Test block with HLD value
- Cleaning brush
- Battery AAA 1.5V (2pcs)
- Software for connection to PC through USB
- Certificate
- Manual
- Carrying case

Optional accessories

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