

# UNIVERSAL HARDNESS TESTER "IMPACT-D"™

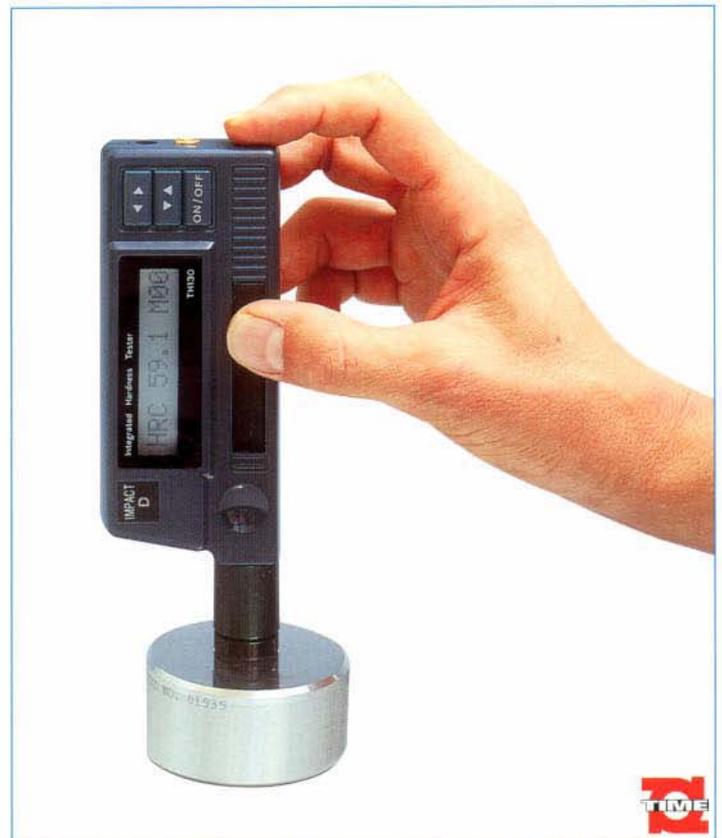
## Handheld dynamic metal hardness tester TH-130

- 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, HL
- 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
- Conforming to ASTM A 956
- Data output RS-232 (Dataview software DV130 optional)
- Optional printer TA210 available

**Materials versus range (HLD 200 - 900)**

Material	HRC	HRB	HRA	HB	HV	HS
Steel & cast steel	20-68	60-100	59-86	80-650	80-940	32-100
Cold work tool steel	20-68	-	-	-	80-940	-
Stainless steel	20-62	46-100	-	80-650	80-800	-
Grey cast iron	-	-	-	90-380	-	-
Nodular cast iron	-	-	-	90-380	-	-
Cast aluminium alloys	-	-	-	20-160	-	-
Brass	-	13-95	-	40-170	-	-
Bronze	-	-	-	60-290	-	-
Copper	-	-	-	45-315	-	-

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



### Technical specifications

Hardness parameter	HRC, HRB, HV, HB, HS, HL
Measuring range / metallic materials	See table above
Accuracy	Within $\pm 0.5\%$ (at HLD = 800)
Statistics	Average (max. 99)
Output	RS232 (Dataview software DV130 optional)
Impact device	D (standard) integrated
Workpiece max. hardness value	940HV
Workpiece radius (convex/concave)	Rmin = 50mm (with support ring Rmin= 10mm)
Workpiece minimum weight	2kg on solid support (0.1kg with couplant paste)
Workpiece min. thickness coupled	3mm
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	5 to 50°C
Overall dimensions	150x22x53mm
Weight	130 gr

### Standard delivery

- Main unit with integrated impact device type D
- Testblock with HLD-value
- Charger
- Cleaning brush
- Coupling paste
- Pocket protection case
- TIME certificate
- Manual
- Plastic carrying case

### Optional accessories

- Testblocks UKAS certified in any hardness parameter
- Support rings for convex and concave surfaces
- Dataview software DV130
- Printer TA210 + cable
- See page accessories for IMPACT-series



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