

Hardness Tester TH134



- Integrated Impact Device DL for confined spaces
e. g. gear wheels: no cables!
- Wide measuring range in HLDL and display of converted hardness values in HB, HRB, HRC, HV, HS
- For materials steel & cast steel
- Testing at any angle
- Simple handling and low test expenditure
- Optional printer TA220 available

Measuring range

Material	HLDL	HB	HRB	HRC	HV	HS
Steel & cast steel	560 ~950	81 ~646	37.0 ~99.9	20.6 ~68.2	80 ~950	30.6 ~96.8

Technical specifications

Standard Impact device	DL integrated
Hardness scales	HLDL, HB, HRC, HRB, HV, HS
Measuring range / materials	See table above
Accuracy	±12HLDL
Memory	99 average readings
Output	RS232 to printer
Mim. Surface Roughness of Workpiece	1.6μ (Ra) Diameter = 2.8mm
Needle front section of DL-device	Length = 50mm
Max. Workpiece hardness	950HLDL
Min radius of Workpiece (convex/concave)	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 layer	0.8mm
Indentation depth	Impact devices data (see page 8)
Continuous Working time	8h
Power	rechargeable NiMH battery
Operating temperature	0~40
Overall dimensions	210×24×55mm
Weight	200g

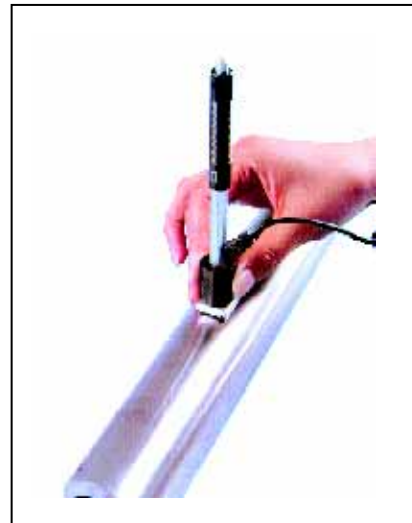
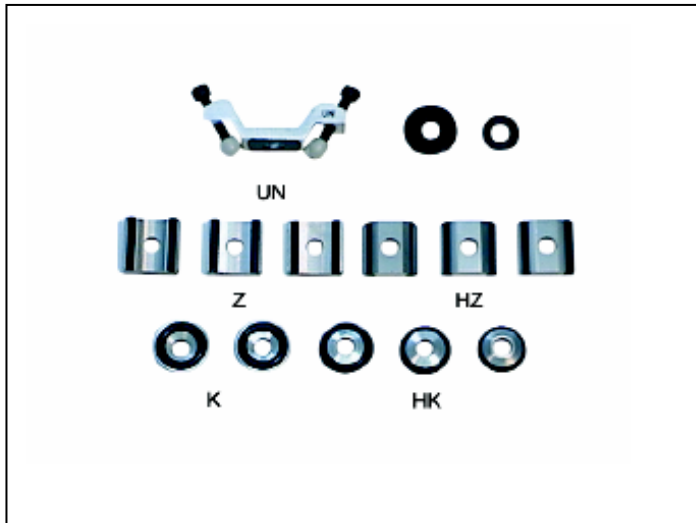
Standard delivery

- Main unit integrated with Impact Device DL 1
- Test block with HLD value 1
- Charger 1
- Cleaning brush 1
- Carrying suitcase 1
- TIME certificate 1
- Instruction manual 1
- Warranty card 1
- Carrying case 1

Optional accessories

- Support rings (see next page)
- Printer TA220S with cable

Optional Support Rings



Support Rings

No.	Type	Sketch of non-conventional supporting ring	Remarks
1	Z10-15		For testing cylindrical outside surface R10 ~ R15
2	Z14.5-30		For testing cylindrical outside surface R14.5 ~ R30
3	Z25-50		For testing cylindrical outside surface R25 ~ R50
4	HZ11-13		For testing cylindrical inside surface R11 ~ R13
5	HZ12.5-17		For testing cylindrical inside surface R12.5 ~ R17
6	HZ16.5-30		For testing cylindrical inside surface R16.5 ~ R30
7	K10-15		For testing spherical outside surface SR10 ~ SR15
8	K14.5-30		For testing spherical outside surface SR14.5 ~ SR30
9	HK11-13		For testing spherical inside surface SR11 ~ SR13
10	HK12.5-17		For testing spherical inside surface SR12.5 ~ SR17
11	HK16.5-30		For testing spherical inside surface SR16.5 ~ SR30
12	UN		For testing cylindrical outside surface, radius adjustable R10 ~ ∞