

# Hardness Tester TH130



- Impact Device D integrated: no cables!
- Wide measuring range in HLD and direct display of converted hardness values in HB, HRB, HRC, HRA, HV, HS
- For most metals (see table below)
- Test at any angle
- Simple handling and low test expenditure
- Optional printer TA220S available

## Measuring range

Material	HLD	HRB	HRC	HB	HV	HS
Steel & cast steel	300~900	38.4~99.8	20~68.4	81~654	81.1~955	32.5~99.5
CWT.ST	300~840		20.4~67.1		80~898	
Stainless steel	300~800	46.5~101.7	19.6~62.4	85~655	85~802	
GC. Iron	360~650			93~334		
NC.Iron	400~660			131~387		
C.Alum	200~570	23.8~34.6		26.8~164		
Brass	200~550	13.5~95.3		40~173		
Bronze	300~700			60~290		
Copper	200~690			45~315		

## Technical specifications

Standard Impact Device	D integrated
Hardness scales	HLD, HB, HRC, HRA, HV, HS
Measuring range / materials	See table above
Accuracy	±6HLD(760 ±30HLD)
Memory	99 average readings
Output	RS232 to printer
Min. Surface Roughness of Work piece	1.6μ ( Ra)
Max. Work piece Hardness	900HLD
Min. radius of Work piece (convex/concave)	Rmin = 50mm (with support ring Rmin= 10mm)
Min. Work piece weight	2~5kg on stable support 0.05~2kg with compact coupling
Min. Work piece thickness coupled	5mm
Min. Thickness of hardened layers	0.8mm
Indentation depth	Impact Devices data (See page 8)
Continuous working time	8 h
Power	Rechargeable Li-Polymer batteries
Operating temperature	0~40°C
Overall dimensions	155×24×55mm
Weight	180 g

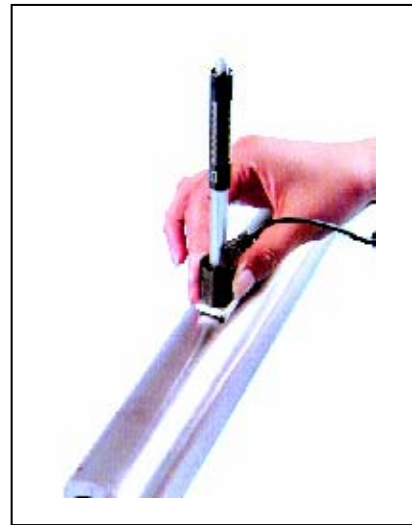
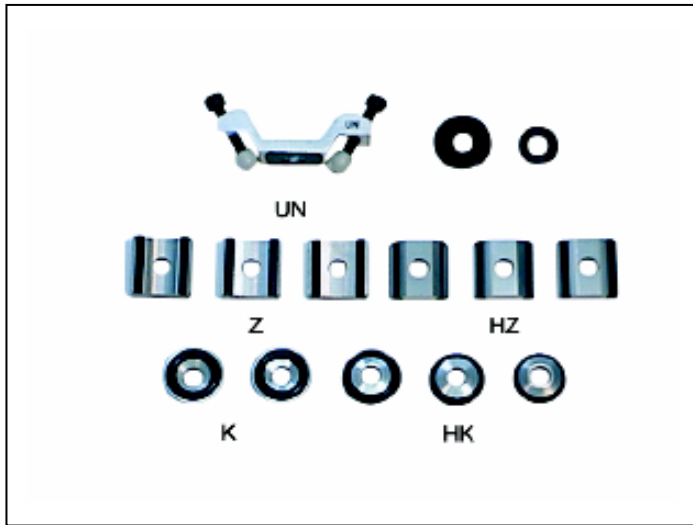
### Standard delivery

- Main Unit integrated with impact
- Test block with HLD value
- Charger
- Cleaning brush
- TIME certificate
- Instruction manual
- Warranty card
- Carrying case

### Optional accessories

- Support rings
- 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~∞