



Features:

- Impact size, easy operation
- Wide measuring range in HLD, direct display of converted hardness values in HB, HRB, HRC, HRA, HV, HS
- High applicability, can be used for hardness testing of most metals
- Test at any angle even upside down
- Optional printer TA230 available
- Easy measurement on large & heavy workpieces
- Measuring in confined spaces of large workpieces
- TH130: integrated with D impact device for normal hardness testing
- TH132: integrated with C impact device for hardness testing on thin, light and face-hardened workpieces
- TH134: integrated with DL impact device for hardness testing of deep grooves and mould-face (such as tooth surface) workpieces
- Refer to page A12 for technical specifications of various impact devices

Technical Specification

Model	TH130	TH132	TH134
Impact device	D integrated	C integrated	DL integrated
Hardness scales	HLD, HB, HRC, HRA, HV, HS	HLC, HB, HRC, HV, HS	HLDL, HB, HRC, HRB, HV, HS
Measuring range/materials	See table in page A12		
Tolerance	$\pm 6\text{HLD}$ ($760 \pm 30\text{HLD}$)	$\pm 12\text{HLC}$	$\pm 12\text{HLDL}$
Memory	99 average readings	99 average readings	99 average readings
Output	RS232 to printer	RS232 to printer	RS232 to printer
Surface roughness of workpiece	$\leq 1.6\mu\text{m}$ (Ra)	$\leq 0.4\mu\text{m}$ (Ra)	$\leq 1.6\mu\text{m}$ (Ra)
Min. Radius of workpiece (convex / concave)	Rmin=50mm (with support ring Rmin= 10mm)	Rmin= 11 mm (with support rings)	Rmin= 10mm
Min. workpiece weight	2~5kg on stable support 0.05~2kg with compact coupling	0.5~1.5kg on stable support 0.02~0.5kg with compact coupling	2~5kg on stable support 0.05~2kg with compact coupling
Min. workpiece thickness with coupling	5mm	1mm	5mm
Min. Thickness of hardened layers	0.8mm	0.2mm	0.8mm
Indentation depth	See table in page A12		
Charging time	3h		
Continuous working time	60h		
Power	Rechargeable Li-ion batteries		
Operating temperature	0~40		
Overall Dimensions (mm)	155 x 24 x 55	155 x 24 x 55	210 x 24 x 55
Weight (g)	180	175	200

Standard Delivery

Main Unit	1
Test block	1
Charger	1
Brush	1
Connecting cable	1
Protection pocket	1
TIME certificate	1
Instruction manual	1
Warranty card	1

Optional Accessory

- Support rings (See page A12)
- Printer TA230 (see page Z1)



TH134 needle impact device integrated