



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 TA250 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 8 for technical specifications of various impact devices

Technical Specification

	TH130	TH132	TH134
Impact device	D integrated	C integrated	DL integrated
Hardness scales	HLD, HB, HRC, HRA, HV, HS	HLD, HB, HRC, HV, HS	HLDL, HB, HRC, HRB, HV, HS
Measuring range/materials	See table in page 7		
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	RS 232 to printer	RS232 to printer
Surface Roughness of Work piece	$\leq 1.6\mu\text{m (Ra)}$	$\leq 0.4\mu\text{m (Ra)}$	$\leq 1.6\mu\text{m (Ra)}$
Min. radius of Work piece (convex / concave)	Rmin = 50mm(with support ring Rmin= 10mm)	Rmin = 11mm (with support rings)	Rmin = 10mm
Min. Work piece 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. Work piece thickness with coupling	5mm	1mm	5mm
Min. Thickness of hardened layers	0.8mm	0.2mm	0.8mm
Indentation depth	See table in page 8		
Charging time	3h		
Continuous working time	60 h		
Power	Rechargeable Li-ion batteries		
Operating temperature	0~40°C		
Overall dimensions	155 × 24 × 55mm	155 × 24 × 55mm	210 × 24 × 55mm
Weight	180 g	175g	200g

Standard Delivery

- Main Unit 1
- Test block 1
- Charger 1
- Brush 1
- Connecting cable for TH130 1
- Protection pocket 1
- TIME certificate 1
- Instruction manual 1
- Warranty card 1

Optional Accessory

- Support rings (See page 9)
- Printer TA230 (see page 47)



TH134 needle impact device integrated