

LEEB HARDNESS TESTER TH150/152/154



Features:

- Fashionable face and compact size
- Available of conversion among HL, HRB, HRC, HB, HV, HS
- Large LCD with backlight
- Memory up to 256 data
- Connecting with printer by RS232
- Low battery indication
- Test at any direction, even upside down
- TH150: integrated with D impact device for normal hardness testing
- TH152: integrated with C impact device for hardness testing on thin, light and face-hardened workpieces
- TH154: 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

	TH150	TH152	TH154
Impact device	D integrated	C integrated	DL integrated
Hardness scales	HLD, HB, HRC, HRB, HV, HS	HLC, HB, HRC, HRB, HV, HS	HLDL, HB, HRC, HRB, HV, HS
Measuring range; materials	See table in page 7		
Tolerance	± 6HLD(760 ± 30HLD)	± 12HLC	± 12HLDL
Memory	256 average readings		
Output	RS232 to printer		
Surface Roughness of Work piece	≤ 1.6 μm (Ra)	≤ 0.4 μm (Ra)	≤ 1.6 μm (Ra)
Min. radius of Work piece (convex/concave)	Rmin = 11mm (with supporting ring Rmin= 10mm)	Rmin=11mm (with support ring)	Rmin = 50mm (with supporting ring 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		
Continuous working time	300 h (without backlight)		
Power	Batteries 3V Li-ion CR1/2 AA		
Operating temperature	0~40 °C		
Dimensions	158 × 60 × 39mm	149 × 60 × 39mm	213 × 60 × 39mm
Weight	150 g	145g	170 g

Standard Delivery

- Main Unit 1
- Test block 1
- Brush 1
- Battery 3V Li CR1/2 AA 1
- Connecting cable 1
- TIME certificate 1
- Instruction manual 1
- Warranty card 1

Optional Accessory

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



TH154 needle impact device integrated