

# Portable Hardness Tester TH150/152/154



ISO 9001



## 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 A12 for technical specifications of various impact devices

## Technical Specification

Model	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 A12		
Tolerance	$\pm 6\text{HLD}$ ( $760 \pm 30\text{HLD}$ )	$\pm 12\text{HLC}$	$\pm 12\text{HLDL}$
Memory	256 average readings		
Output	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 = 11mm (with support ring Rmin= 10mm)	Rmin=11mm (with support ring )	Rmin = 50mm (with support ring Rmin=10mm)
Min. workpiece weight	2~5kg on stable support0.05~2kg with compact coupling	0.5~1.5kg on stable support0.02~0.5kg with compact coupling	2~5kg on stable support0.05~2kg 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		
Continuous working time	300 h (without backlight)		
Power	Batteries 3V Li-ion CR1/2 AA		
Operating temperature	0~40		
Dimensions (mm)	158 × 60 × 39	149 × 60 × 39	213 × 60 × 39
Weight (g)	150	145	170

## 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 A12)
- Printer TA230 (see page Z1)



TH154 needle impact device integrated