



Features

- USB communication interface
- Automatic identification of impact test direction
- Memory of 270 average testing in 9 group files
- Upper and lower limit setting
- Automatically switch off
- Backlight for convenient use in darkness
- Battery capacity display
- AAA1.5V battery
- Integrated calibration function
- TH170: integrated with D impact device for normal hardness testing
- TH172: integrated with C impact device for hardness testing on thin, light and face-hardened workpieces
- TH174: integrated with DL impact device for hardness testing of deep grooves and tooth surface

Technical Specification

	TH170	TH172	TH174
Impact device	D integrated	C integrated	DL integrated
Hardness scales	HLD, HB, HRC, HRB, HV, HS	HLC, HB, HRB, HRC, HV, HS	HLDL, HB, HRC, HRB, HV, HS
Accuracy	$\pm 6\text{HLD}(760 \pm 30\text{HLD})$	$\pm 12\text{HLC}$	$\pm 12\text{HLDL}$
Memory	270 average readings in 9 group files		
Output	USB2.0 to computer		
Average surface roughness of workpiece	1.6 μm (Ra)	0.4 μm (Ra)	1.6 μm (Ra) Diameter = 2.8mm
Max. workpiece Hardness	900HLD	960HLC	950HLDL
Min. Radius of workpiece (convex/concave)	Rmin = 50mm (with support ring Rmin= 10mm)	Rmin = 11mm (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 coupled	5mm	1mm	5mm
Min. Thickness of hardened layers	0.8mm	0.2mm	0.8mm
Indentation depth	Impact devices data	Impact devices data	Impact devices data
Continuous working time	150(without backlight)	150(without backlight)	150(without backlight)
Power	AAA1.5V batteries(2PCS)	AAA1.5V batteries(2PCS)	AAA1.5V batteries(2PCS)
Operating temperature	0~40°C	0~40°C	0~40°C
Overall dimensions	155×55×25mm	160×60×25mm	215×60×25mm
Weight	166 g	180g	180g

Standard Delivery

- Main unit 1
- Test block 1
- Brush 1
- Battery AAA1.5V 1
- Connecting cable 1
- TIME certificate 1
- Instruction manual 1
- Warranty card 1
- Driver software 1

Optional Accessory

- Support rings (See page 13)



TH174 needle impact device integrated