



ALAT UJI
Products, Solution, Services

PORTABLE HARDNESS TESTER



TH170/172/140



TH110



TH140



TIME 5330



TIME5350



TH1100



TH1101

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Portable Hardness Tester

TH170/172/174



Standard delivery

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

Optional accessories

- Support rings
- Dataview software

Features:

- USB communication interface
- Automatic identification of impact test direction
- Memory of 270 average testing in 9 group files
- Upper and lower limit setting
- Backlight for convenient use in darkness
- Battery capacity display
- 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
- With software for data analysis

Technical Specifications:

Specifications	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	±6HLD(760 ±30HLD)	±12HLC	±12HLDL
• Memory	270 average readings in 9 group files		
• Output	USB2.0 to computer		
• Average Surface Roughness of Work piece	1.6μ (Ra)	0.4μ (Ra)	1.6μ (Ra) Diameter = 2.8mm
• Min. Work piece 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	155mm×55mm×25mm	160mm×60mm×25mm	215mm×60mm×25mm
• Weight	166 g	180g	180g
• Max. Work piece Hardness	900HLD	960HLC	950HLDL
• 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