



TIME TH5104 Portable Digital Hardness Tester



The TH5104 is an advanced integrated digital hardness tester distinguished by its compact size, high accuracy, wide measuring range and simplicity of operation. It is suitable for testing the hardness of all metals and is widely applied in many areas of industry.

The TH5104 portable hardness tester combines the special impact device DL and a data processor in a single unit. This model features a needle front section with a diameter of 4mm and a length of 50mm. It is suitable for testing the hardness in extremely confined spaces, the base of grooves, and special components such as gear wheels. It can display real time printing or batch printing. automatically computes all Vickers, Rockwell, Brinell or Shore hardness values of steel and cast steel components.

Features

- Light, compact unit with a simple user-friendly menu.
- Conversion of hardness scales (*HL, HV, HB, HRC, HRB and HS*)
- USB interface to connect to PC, assisted by Software Dataview TH51X.
- Measuring Direction: Any direction 360°.
- Automatic identification of impact test direction.
- Memory of 270 average readings in 9 group files.
- Backlight for convenience in darkness.
- Upper and lower limits setting function.
- AAA 1.5V battery - capacity shown in the display.
- Auto power off.

Technical Specifications

Part Number	Description
Model	TIME TH5104 Portable Digital Hardness Tester
Impact device	DL integrated
Hardness scales	HLDL, HB, HRC, HRB, HV, HS
Accuracy	±12HLD (760 ±30HLD)
Memory	270 average readings in 9 group files
Min. surface roughness of workpiece	1.6µm (Ra)
Max. workpiece hardness	960HLD
Min. radius of workpiece (convex/concave)	Rmin = 10mm (with support ring Rmin = 10mm)
Min. workpiece weight	2-5kg on stable support / 0.05-2kg with compact coupling
Min. workpiece thickness coupled	5mm
Min. thickness of hardened layers	0.8mm
Indentation depth	Impact devices data
Continuous working time	8h (without backlight)
Power	AAA 1.5V batteries
Operating temperature	0-40°C
Dimensions & Weight	215×60×25mm & 180g
Weight of Unit in accessories in case	4.365kg



Packing List

TIME TH5104 Portable Digital Hardness Tester

Test block with HLD

USB connecting cable

Battery AAA 1.5V x 2

Cleaning brush

Carrying case

TIME Certificate

Warranty Card

Manual



Accessories

Support Rings

Dataview Software