



ALAT Uji
Products, Solution, Services

PORTABLE HARDNESS TESTER



TH110



TIME 5330



TIME 5350



TH170/172/174



TH1100



TH1101



TH140

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Portable Hardness Tester

TH140



Product Introduction:

Based on the testing principle of Leeb hardness, TH140 portable hardness tester can test the hardness of various metal materials fast and conveniently. It can be used to test the hardness of steel, cast steel, alloyed steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloy (brass), copper tin alloy (bronze), pure copper, forging steel and so on. The pure English display menu makes it easy to operate. It also has the advantage of long stand-by time due to the internally-stalled NiMH rechargeable battery. It is suitable for testing those workpieces that have large volume or hard to move. It is especially for the work site and field working.

Features:

- Developed Model of HLN-11A
- Automatic identification of Impact devices
- On-Board memory holds 48-350 groups of data
- Software to connect with PC
- Upper and lower limit and sound alarm
- Large LCD with backlight, showing all functions and parameters
- Press HELP key can obtain operating tips in any displaying interface
- Direct display of hardness scales HRB, HRC, HV, HB, HS, HL
- Conversion to tensile strength (U.T.S)
- For all metallic materials
- Test at any angle, even upside down
- Removable printer included
- Wide measuring range (see next page)
- Six Impact Devices are available for special application
- Battery low indication and sound alarm

Standard delivery

- Main Unit
- Impact Device Type D
- Test Block with HLD-Value
- Cleaning Brush
- D6a Support Ring (13.5mm in Diameter)
- Battery Charger
- Operation Manual
- Communication Cable between PC and Tester w/ Driver CD
- Guarantee Certificate
- Carrying Case with Lock

Optional accessories

- Printing paper
- Special Impact Devices
- Support rings
- Dataview and cable

Technical Specifications:

Specifications	TH140
• Hardness Scale	HL ~ HRC ~ HRB ~ HV ~ HB ~ HS
• Memory	48-350 group (Impact times: 32-1)
• Tensile Strength UTS Range	374 - 2652 MPa
• Min Radius of Workpiece	(convex & concave) R min = 50mm (with support ring R min = 10mm)
• Min Workpiece Weight	2 - 5 kg on stable support, 0.05 - 2kg with compact coupling
• Min Workpiece Thickness	5mm impact device D/DC/DL/D+15/C, 1mm device C, 10mm device G
• Thickness of Hardened Surface	0.8mm minimum
• Power Source	Rechargeable Battery NiMH 5 x 1.2V 600mAh
• Working Time	Continuous about 50hr (no printing and backlight)
• Dimensions	268mm x 86mm x 50mm
• Weight	530 g (including impact device and printer)
• Impact Devices	Standard - D, Optional DC / DL / C / D+15 / G
• Accuracy	±6HLD (760 ±30HLD) error of displayed value, 6HLD (760 ±30HLD) repeatability of displayed value
• Communication interface	RS232
• Operating temperature	0°C-40°C
• Max Workpiece Hardness	996HV (For Impact Devices D / DC / DL / D+15 / C), 646HV (For Impact Device G)