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Delivering Excellence in NDT

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Portable Hardness Tester- TH 270A

Product Details:

- Compact plastic case, suitable for use under poor working conditions.
- Test at any angle, even upside down.
- Wide measuring range. It can measure the hardness of all metallic materials. Direct display of hardness scales HRB, HRC, HV, HB, HS, HL
- Large screen (segment LCD), showing all functions and Parameters. With EL background light.
- Large capacity memory could store 100 groups information.
- Datapro Software to connect with PC via RS232 port. Micro printer support , Software calibration function.

Technical Specifications:

- Measuring range : (170-960)HLD, (17-68.5)HRC, (19-651)HB, (80-976)HV, (30-100)HS, (59-85)HRA, (13-100)HRB
- Measuring direction : 360° (↓ ↙ ↘ ↗ ↖ ↕ ↔ ↠ ↡ ↢ ↣)
- Hardness Scale : HL, HB, HRB, HRC, HRA, HV, HS
- Display segment LCD
- Data memory : max. 100 groups relative to impact times 32 (↶)
- Working voltage : 3V (2 AA size alkaline battery)
- Continuous working period about 100 hours (With backlight off)
- Communication interface : RS232

Main Application : -

- Die cavity of molds.
- Bearings and other parts,
- Failure analysis of pressure vessel, steam generator and other equipment.
- Heavy work piece.
- The installed machinery and permanently assembled parts.
- Testing surface of a small hollow space.
- Material identification in the warehouse of metallic materials.
- Rapid testing in large range and multi-measuring areas for large-scale work piece.



Portable Hardness Tester- 5100

Product Introduction :-

Based on the testing principle of Leeb hardness, TIME5100 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 :-

- 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
- AAA1.5V battery With Battery capacity display
- Integrated calibration function



Technical Specifications :-

Model	TIME5100
Impact device	D integrated
Hardness scales	HLD, HB, HRC, HRB, HV, HS
Accuracy	±6HLD(760 ±30HLD)
Memory	270 average readings in 9 group files
Output	USB2.0 to computer
Average Surface Roughness of Work	1.6μ (Ra)
Max. Work piece Hardness	900HLD
Min. radius of Work piece	Rmin = 50mm (with support ring Rmin= 10mm)
Min. Work piece weight	2~5kg on stable support , 0.05~2kg with compact coupling
Min. Work piece thickness coupled	5mm
Min. Thickness of hardened layers	0.8mm
Indentation depth	Impact Devices data
Continuous working time	150(without backlight)
Power	AAA1.5V, batteries(2PCS)
Operating temperature	0 - 40 °C
Overall dimensions	155mm×55mm×25mm
Weight	166 g