

MH310

Portable Leeb hardness tester

- Professional manufacturer, best quality with competitive price
- Recommended by the world UT NDT inspection association for training and examination
- Core technology with independent intellectual property rights, certificate of CE, GOST and etc..



Product Overview

MH310 portable Leeb hardness tester, based on Leeb hardness measuring principle, quickly and easily on-site test the hardness of series metal materials, support free conversion between Leeb, Brinell, Rockwell hardness scale and others, It uses high-contrast segment LCD to display clear ,stable performance. integrated high-speed thermal printer ,which can print on-site measurements. It is widely used in annealing, tempering, quenching , quality control for the work piece; hardness testing for machine tool and automobile chassis ; on-site hardness testing of in-service non-removable parts; quality testing for hardware, forging, machine tools and special steels; quality control for batch production process and so on.Good quality and effective cost ,which is a wise choice for regular need of hardness testing .

Technical specifications

Technical Specifications	Technical Parameters
Measuring Range	(170 ~ 960) HLD
	Impact device D 760±30HLD,±6 HLD, 530±40HLD,±10 HLD
	Impact device DC 760±30HLDC,±6HLDC, 530±40HLDC,±10HLDC
	Impact device DL 878±30HLDL,±12HLDL, 736±40HLDL,±12 HLDL
	Impact device D+15766±30HLD+15,±12HLD+15, 544±40HLD+15,±12HLD+15
	Impact device G 590±40HLG,±12HLG, 500±40HLG,±12HLG
Error And Repeatability	Impact device C 822±30HLC,±12 HLC, 590±40HLC,±12 HLC
Impact Direction	Vertically downward, oblique, horizontal, oblique, vertical upward, automatically identify. Steel and cast steel,Cold work tool steel,Stainless steel,Grey cast iron,Nodular cast iron, Cast aluminum alloys,BRASS(copper-zinc alloys),BRONZE(copper-aluminum/tin alloys), Wrought copper alloys.
Material	
Hardness Scale	HL、HB、HRB、HRC、HRA、HV、HS
Paper Roll	Width (57.5 ± 0.5) mm, diameter: 30mm, long-term imports of paper to ensure long-term data storage
Display	High-contrast Segment LCD
Integrated Data Memory	100 measurement series.(Relative to average times 32 ~ 1)
Battery	6V(Ni-MH battery pack)
Power Supply	9V/500mA
Recharge Time	2.5-3.5hours
Standby Time	About 150 hours (with default brightness)
Communication Interface	USB1.1

Features

- Based on the principle of Leeb hardness testing theory. It can measure many metallic material.
- One main unit can match to 6 impact devices.
- Support Steel ,when using D/DC sensor to test steel,it can show HB directly,no need to check manually.
- High-contrast Segment LCD , easy to use.
- Software calibration automatically.
- 100 groups (impact times 32 ~ 1) hardness measurements, each set of data includes single testing value, average value, measurement date / time, impact direction, frequency, material, hardness, and other information.
- Real-time display the remaining battery power, charging progress is displayed while charging.
- High brightness EL back-light display for easy use in dimly environment.
- Automatic sleep and shutdown and other power-saving features.
- Integrated thermal printer with the instrument as a whole, and quiet operation, fast print speeds, you can print the test report on-site.
- Equipped with PC software (optional), with functions of measurements transmission , value storage management, statistical analysis of the measured value, the print report of measured value, batch setting instrument parameters, to meet the higher requirements of quality for activities and management.
- Small size, portable, , stable and reliable performance, suitable for harsh environment field operations, prevent from vibration, shock and electromagnetic interference.
- Dimension:212mm×80mm×32mm.

Application fields

- 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.