



Leeb Hardness Tester

Lpad H210

Lpad H210: Fully functional superior performance

Lpad H210 Portable Hardness Tester based Leeb hardness measuring principle, can quickly and easily measure a variety of metal materials, hardness measurement values are displayed simultaneously, you can freely switch between different hardness standard, can be pre-set tolerance range, out of range automatic alarm. Relying on stable, low-power IC integrated circuits, full Chinese display, simple menu-driven operation and powerful. Embedded high-capacity memory chips, but also external U disk storage. 200 hours of standby time. Particularly suitable for field work and field operations.



No 1	TIME	DIR
Fil 0	3 / 3	↓
D	766	HL
AVE		
± 960	Steel and Cast Steel	
± 170		

Display Interface

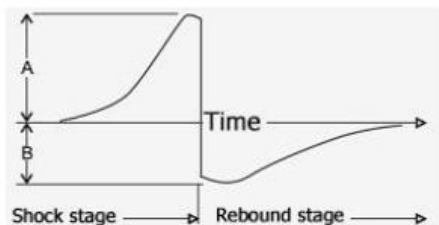


FUNCTION

- **Leeb hardness measurement**
Based Leeb hardness measuring principle, can detect a variety of metal materials
- **Supports a variety of standard hardness**
Real-time display and conversion: Brinell HB, Rockwell HRC, Vickers HV, Shaw HS, and three kinds of intensity values
- **U disk storage, plug and play**
Can be inserted U disk, no drive, plug and play, you can easily and quickly out of the report
- **Large capacity data storage**
Unprecedented mass storage, leading technology trends. Hardness measurements can save 600 groups of data, each data includes average, impact direction, number, material, hardness, and other information
- **Support "forged steel (Steel)" material**



Impact device type



Leeb Hardness Measuring

Principle

When using the D / DC type impact test "forged" sample when HB values can be read directly, without manual look-up table

■ Threshold alarm

Hardness value can be pre-set upper and lower limits, out of range alarm, convenient batch test requires users

FEATURE

■ Accurately measured value

Precision measurement circuit to ensure Indication error $\pm 0.5\%$ (HLD = 800), showing the value of repeatability 0.8%

■ Long Standby: 200 hours, to get rid of frequent replace the battery trouble

OPERATION

■ Variety of data displayed simultaneously

The interface can be displayed simultaneously refined three measurement data, while the data group number, data number, the lower threshold value at a glance

■ Icon-based menu structure

Chinese display, menu-driven operation, simple operation, easy

■ Scroll bar indicator

■ Anti-vibration, shock and electromagnetic interference.

■ High contrast 128x64 dot matrix LCD, beautifully printed text, numbers and symbols; high brightness EL backlight for easy use in dimly lit environments

Specification :

Testing direction	Highly accurate in any impact direction
Testing Range	(170-960)HLD,(17.9-69.5)HRC,(19-683) HB,(80-1042)HV,(30.6-102.6)HS, (59.1-88)HRA, (13.5-101.7)HRB
Hardness Standards	HL, HV, HRA, HRC, HRB, HB, HV, HS
Accuracy	HLD: $\pm 0.5\%$ (800HLD)
Repeatability Value	HLD: 0.8% (800HLD)
Resolution	128x64 OLED display

Dimensions	148mmx40mmx30mm
Power Supply	Rechargeable lithium battery
Working Hours	About 10 hours
Working Conditions	Operating temperature: 10-50 c; Storage temperature: -30 °C -60 °C; Humidity: 90% max;
Standard Equipped:	The instrument host 1 The nylon brush 1 Small bearing rings 1

The ABS instrument 1
Applicable Materials
Steel and cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloys (brass), an alloy of copper and tin, copper(bronze)
Application

Bearings and other parts;
 Failure analysis of pressure vessel,
 steam turbine generator group and
 equipment;
 Heavy workpieces;
 Mechanical or permanent assembly
 installed;
 The test space is very narrow;
 The original record of formal
 requirements on test results;

.. Our optional configuration

No.	Name	Quantity	Remarks
1	Shaped impact device	7	
2	Shaped support ring	12	
3	Shock Ball	2	
4	Nylon brush B	1	G type impact device use
5	Replace the impact of the ball head tool	1	

.. Common material hardness values

Materials	HL	HRA	HRB	HRC	HB	HV	HS
Steel and cast steel	300-900	59.1-85.8	59.6-99.6	17.9-68.5	127-651	83-976	32.2-99.5
Forged	300-900				143-650		
Alloy tool steel	300-840			20.4-67.1		80-898	
Stainless steel	300-800		46.5-101.7		85-655	85-802	
Grey cast iron	360-650				93-334		
Ductile	400-660				131-387		
Cast aluminum alloy	174-560		23.8-84.6		19-164		
Copper-zinc alloys (brass)	200-550		13.5-95.3		40-173		
Copper-tin alloy (bronze)	300-700				60-290		
Copper	200-690				45-315		