

TIME[®] 5 1 0 D Leeb Hardness Tester



1 New Product Introduction

TIME510D Leeb Hardness Tester is a special Leeb Hardness Tester product launched for the pot special inspection industry. It has an integrated structure, good portability, and adopts a standard D- type impact device.

(1) Appearance

- The appearance is redesigned with new colors and a new product image;
- It solves the problem of rubber paint of similar products being sticky and difficult to clean in the later stage, and the product has a good grip .
- Redesigned silicone physical buttons to solve the problems of unreliable button operation and easy damage of key membranes in similar products;
- Adding a lanyard design greatly improves the portability of the product.

(2) Functional aspects

- The display screen is an OLED display screen with high brightness and high contrast, which can be clearly read even in dim environment;
- Added Bluetooth function , which can realize wireless interconnection with Bluetooth printer or Bluetooth mobile phone (Android version);
- with a Bluetooth printer can realize real-time wireless printing of measurement data;
- Connect to a Bluetooth phone , and the phone can set instrument parameters, read real-time measurement data and historical measurement data. For setting parameters, new content has been

added, such as hardness conversion table selection, automatic storage switch, automatic elimination of gross errors, etc.; product functions have been expanded and product operation has been simplified.

- Added data storage function, which can store 100 sets of measurement data (can only be read by mobile APP).

2Product Features

- Excellent portability;
- Adopting graphic dot matrix OLED display, it can read clearly even in dim environment;
- With Bluetooth function , it can realize wireless interconnection with Bluetooth printer or Bluetooth mobile phone ;
- Real-time measurement data can be printed out via a Bluetooth wireless printer;
- The instrument parameters can be set and the instrument measurement data can be output through the mobile phone APP;
- With soft calibration function;
- It uses rechargeable lithium battery with no memory effect and has a charging indicator light.

3 Technical parameters

- Impact device: D type

characteristic	parameter
Impact energy	11m J
Impact body mass	5.5g
Ball head hardness	≥ 1600HV
Ball head diameter	3mm
Ball head material	Tungsten Carbide

- For indication error and indication repeatability, see the table.
- Measuring range: 170~960 HLD
- Measuring direction: 360°

Standard Leeb Hardness Block Hardness Value	Indication error	Indication repeatability
7 9 0 ±4 0HLD	± 6 HLD	6 HLD
530 ± 40HLD	± 10 HLD	10 HLD

- Hardness scale: Leeb, Vickers, Brinell, Rockwell C, Shore, Rockwell B, Rockwell A
- Display: 128×32 graphic dot matrix OLED display
- The average number of settings ranges from 1 to 9.
- Operating voltage: 3.7V
- Charging power: 6V/500mA
- Charging time: about 2h
- Continuous working time:>8h

- Wireless communication interface standard: Bluetooth 4.1

4Basic Configuration:

- One host;
- 1 small support ring;
- Nylon brush (I) 1 piece;
- 1 high value standard Leeb hardness block;
- 1 charger;
- 1 lanyard.

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