



## Leeb Hardness Tester DLH-3000

### Description



◎An integrated portable Leeb hardness tester with printer, which is convenient for the user to print the testing results, particularly suitable for the outgoing hardness testing, is the most cost-effective portable hardness tester.

◎The instrument adopts the streamlined ergonomic design, with standard bracket. Intuitive large-screen OLED 128x64 dot matrix display enriches the information, with no dead angle, and is easy to operate and read.

◎Application Materials: Steel and cast steel, alloy tool steel, stainless steel, gray iron, ductile iron, cast aluminum, copper and zinc alloy (brass), copper-tin alloy (bronze), copper, forged steel.

### Specification

- ◎Criteria of design: “Leeb Hardness Tester Technical Conditions” JB/T 9378-2001; and adopts the D-type high-precision impact device;
- ◎Industrial housing design, solid, cabinet, portable and reliable;
- ◎Appropriate for harsh operating environment, anti-vibration, anti-shock and anti-electromagnetic;
- ◎Measure 7 kinds of hardness value, Shore (HS), Leeb (HL), Brinell (HB), Rockwell (HRC / HRB / HRA), Vickers (HV), in one single measurement, and can converse automatically;
- ◎High-capacity nickel-metal hydride rechargeable batteries and charging control circuit, with remaining charge indicator, charging process indicator, can keep abreast of the charge level;
- ◎With software indication calibration function when power on, to ensure the applicability and accuracy to any industry in different norms and standards;
- ◎7 different optional impact devices without calibration when replacement, and with automatic identification;
- ◎Can pre-set upper and lower limit values and the value limit alarm;
- ◎Can store 600 sets of measurement values, with English menu, backlit display, and is easy to operate.
- ◎Can be equipped with powerful PC software, with various functions of measurement results transmission, measured value storage management, statistical analysis of the measured value, printing the measured value reports and so on, to meet higher requirements of quality assurance activities and management;
- ◎No less than 200 hours (without printing) continuous operation, with automatic sleep, automatic shutdown and other power-saving features.

### Application

- ◎Machinery industry

- ◎ Particularly suitable for site hardness testing of large parts and non-removable parts
- ◎ Mold cavity
- ◎ Heavy work-piece
- ◎ Failure analysis of the pressure vessel, turbine generator and its equipment
- ◎ Narrow experimental space work-piece
- ◎ Bearings and other parts
- ◎ Material distinguish in metal warehouse
- ◎ Rapid detection on large parts which need to be detected within a wide range of multiple measurements

## Technical Parameters

Measuring Range	(30.6~102.6)HS, (170-960)HLD, (19-651)HB, (13.5-101.7)HRB, (17.9-69.5)HRC, (59.1-88)HRA, (80-1042)HV
Measuring Direction	Any Direction (360 °)
Applicable Materials	Steel and cast steel, alloy tool steel, stainless steel, gray iron, ductile iron, cast aluminum, copper and zinc alloy (brass), copper-tin alloy (bronze), copper, forged steel.
Indication error and Repeatability	D-type impact device ±6HLD(indication error) ±6HLD(indication repeatability)
Hardness Standard	Shore (HS), Leeb (HL), Brinell (HB), Rockwell (HRC / HRB / HRA), Vickers (HV)
Upper and Lower Limit Range	(170-960)HLD
Indication Calibration	With software indication calibration function
Data Storage	600 groups of measured value
Data Interface	USB 2.0
Operating Voltage	6V NiMH battery pack
Operating Temperature	-10°C ~ +55°C
Storage Temperature	-20°C ~ +75°C
Dimensions	210×85×45mm (host)
Weight	0.6KG

## Standard Configuration

Portable Hardness Tester DLH-3000 Host	
Impact Device	Leeb Hardness block
Communication Cable	Nylon Brush A
Small Support Ring	Screwdriver
User Manual	Certificate
Warranty Card	Instrument Case