

# SHL-160 Portable Leeb Hardness Tester

SHL-160 portable Leeb hardness tester is a new generation flagship model developed by our company. It adopts ultra-low power design concept, high-performance rechargeable battery, intelligent charge management and USB plug-and-play communication interface, and comes with embedded thermal printer, which supports instant on-site printing, meets the diverse measurement requirements, and has ultra-high Brightness display LCD screen, better meet the complex measurement environment, is the first choice for the majority of users.



## Features

1. Full English display, menu-driven operation.
2. Mini USB communication interface.
3. Can be equipped with 7 kinds of different impact devices, no need to recalibrate when replacing, and can automatically identify the type of impact device.
4. Supports measurement of multiple hardness systems and three intensity values.
5. It can store 450 groups, single measurement value, average value, measurement date,

impact direction, times, materials, hardness system and other information.

6. It can set the upper and lower hardness values in advance, and it can automatically alarm when it exceeds the limit, which is convenient for users to need batch testing.

7. Indicating software calibration function.

8. Built-in high-performance lithium battery and charge control circuit, with long working and standby time.

9. Can be equipped with computer software, support for data query, storage, statistics and histogram display and other functions.

**Technical parameters**

**Indication error and repeatability**

Item	Impact device type	Hardness value of standard Leeb hardness block	Indication error	Indicator repeatability
1	D	760 ± 30HLD 530 ± 40HLD	±5 HLD ±8 HLD	5 HLD 8 HLD
2	DC	760 ± 30HLDC 530 ± 40HLDC	±5 HLDC ±8 HLDC	5 HLD 8 HLD
3	DL	878 ± 30HLDL 736 ± 40HLDL	±10 HLDL	10 HLDL
4	D+15	766 ± 30HLD+15 544 ± 40HLD+15	±10 HLD+12	10 HLD+12
5	G	590 ± 40HLG 500 ± 40HLG	±10 HLG	10 HLG
6	E	725 ± 30HLE 508 ± 40HLE	±10 HLE	10 HLE
7	C	822 ± 30HLC 590 ± 40HLC	±10 HLC	10 HLC