

# ST310 Portable Leeb Hardness Tester

Basic

## Description

Portable Leeb Hardness Tester for measuring hardness of all metallic materials, failure analysis, testing die, bearings, heavy work pieces etc.

## Features

- Select material under test from menu.
- Wide measuring range. It can measure the hardness of all metallic materials. Direct display of hardness scales HRB, HRC, HRA, HV, HB, HS, HL and three types of strength values immediately.
- Test at any angle, even upside down.
- Seven impact devices are available for special application. Automatically identify the type of impact devices.
- Large capacity memory can store 100 groups (Relative to average times 32~1) information including single measured value, mean value, testing data, impact direction, impact times, material and hardness scale etc.
- Battery information shows charge status & remaining battery capacity during use.
- Auto off function.
- Built in printer.

## Specification

Measuring Range	HLD (170-960)
Measuring direction	360°
Hardness Scale	HL, HB, HRB, HRC, HRA, HV, HS
Display	128x64 digital matrix LCD with backlight
Memory	100 group (32 every group)
Printing Paper	Width is (57.5+/-0.5)mm, diameter is 30mm
Battery Pack	6V NI-MH Rechargeable
Battery Charger	9V/500mA
Continuous working period	100 hours (with backlight off)
Communication Interface	USB 1.1
Size	212 x 80 x 32mm



Item Code : ST-310

**Product Supply Includes:** Unit, Dtype Impact device with cable, Standard test block, Support ring, Battery Charger, Printing Paper, Carry Case & Instruction manual.

**Optional:** Communication Cable, Software, Cleaning Brush & Other types of Impact devices (Refer table1)

Table 1

Type of impact device	Hardness value of Leeb standard hardness block	Error of displayed value	Repeatability
D	760±30HLD	±6 HLD	6 HLD
	530±40HLD	±10 HLD	10 HLD
DC	760±30HLDC	±6 HLDC	6 HLD
	530±40HLDC	±10 HLDC	10 HLD
DL	878±30HLDL	±12 HLDL	12 HLDL
	736±40HLDL		
D+15	766±30HLD+15	±12 HLD+15	12 HLD+15
	544±40HLD+15		
G	590±40HLG	±12 HLG	12 HLG
	500±40HLG		
E	725±30HLE	±12 HLE	12 HLE
	508±40HLE		
C	822±30HLC	±12 HLC	12 HLC
	590±40HLC	±12 HLC	12 HLC