

INTRODUCTION

ACUCAL Portable Leeb Hardness Tester is based on the principle of Richter hardness measurement, it can measure various metal materials conveniently and quickly. It can display the hardness measurement value IN LEEB immediately, and can be freely converted among different hardness units. Unlike other stationary traditional methods including Rockwell, Brinell, and Vickers which were implemented only in the laboratories or testing areas, the Leeb method proves to be portable by achieving high testing rates at a reduced cost.



OPTIONAL ACCESSORIES



APPLICATIONS

Rapid testing in large range and multi-measuring areas for large-scale work piece like:

- Die cavity of moulds
- Bearings and other parts
- Heavy work piece
- The installed machinery and permanently assembled parts
- Testing surface of a small hollow space
- Failure analysis of pressure vessel, steam generator and other equipment

FEATURES

- Largest screen 3 inch, showing all functions and parameters to easy read and operate.
- Test at any angle, even upside down.
- Seven impact devices are available for special application. Automatically identify impact devices.
- Large capacity memory could store 500 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.
- Upper and lower limit can be preset. Automatic Alarm when the result value exceeding the limit.
- Battery information indicates the rest capacity of the battery and the charge status.
- USB port with multi-functions data proceeding software.
- Li rechargeable battery as the power source. Charge circuit integrated inside the instrument.
- Auto power off to save energy.
- Conforming to National/International standards: GB/T 17394.1-2014; GB/T1172-1999
EU standard: EN ISO 16859-2016, ASTM standard: ASTM A956(2012)

SPECIFICATION

Measuring Range	(170-960)HLD,(17-68.5)HRC,(19-651)HB,(80-976)HV, (30-100)HS,(59-85)HRA(13 -100)HRB
Measuring Direction	0~360°
Memory	500 Groups test maximum
Printer	Built-in Printer (Thermal)
Hardness Scale	HL, HB, HRB, HRC, HV, HS
Shell Material	Plastic
Statistics	Average value, min-max ,upper-lower limits
Indicating Error	HLD : ±6HRC : ±1 HB : ±4
Communication Interface	USB
Impact Device	D (standard)
Optional impact Devices	DC/D+15/DL/G/C/E
Work piece radius (convex/concave)	Rmin=50mm(with support ring Rmin=10mm)
Min. Workpiece weight	2~5kg on stable support 0.05~2kg with compact coupling except C and G impact device
Workpiece min. thickness couple	D:5mm, G:10mm,C:1mm
Workpiece min. case hardened depth	D:0.08mm C: 0.2mm G:1.2mm
Power Supply	Battery Operated
Operating Temperature	0~40°C
Dimension	212mm×80mm×32mm
Weight	280g(Excluding impact device and printer)