

## Portable Hardness Tester CD1000-P



### I. Features

- ◆ Large color screen (240\*320 TFT display), showing all functions and parameters.
- ◆ Test at any angle, even upside down.
- ◆ Support "forged steel (Steel)" material, when using the D/DC impact device test "forged" sample, can read HB value directly, without the need for manual checking table.
- ◆ 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(MPA) immediately.
- ◆ Seven impact devices are available for special application. Automatically identify the type of impact devices.
- ◆ Large capacity memory could store 600 groups (Relative to average times32~1 ) 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. It will alarm automatically when the result value exceeding the limit.
- ◆ Battery information indicates the rest capacity of the battery and the charge status.
- ◆ User calibration function.
- ◆ USB port with the PC humanity multi-functions data proceeding software.
- ◆ Original imported high speed thermal printer support the immediate printing function. It can save data permanently.
- ◆ Li rechargeable battery as the power source. Charge circuit integrated inside the instrument. Continuous working period of no less than 150 hours (EL off and no printing).
- ◆ Auto power off to save energy.

- ◆ Industrialized housing design, sturdy, compact, portable, high reliability, suitable for harsh operating environment, vibration, shock and electromagnetic interference.
- ◆ Excellent after-sale service system for high quality products---two years' guarantee and all life maintenance. Easy to buy and comfortable to use.

## II. Main Application

- ◆ Die cavity of molds
- ◆ Bearings and other parts
- ◆ Failure analysis of pressure vessel, steam generator and other equipment
- ◆ Heavy work piece
- ◆ The installed machinery and permanently assembled parts
- ◆ Testing surface of a small hollow space
- ◆ Material identification in the warehouse of metallic materials
- ◆ Rapid testing in large range and multi-measuring areas for large-scale work piece.

## III. Technical Specifications

Measuring Range	HLD(170-960),HRC(17.9-69.5),HB(19-651),HV(80-1042), HS (30.6-102.6),HRA(59.1-88),HRB (13.5-101.7),also can customized
Impact Directions	Up, down, horizontal, slanting up, slanting down
Measuring Materials	Steel and cast steel, alloy tool steel, stainless steel, gray cast iron, nodular cast iron, cast aluminum alloy, copper zinc alloys (brass), an alloy of copper and tin, copper (bronze), forged steel
Standards	ASTM A956、DIN50156-1、GB/T17394-1998
Hardness Scales	HL、HB、HRB、HRC、HRA、HV、HS.
Tensile Strength	374 to 2652 N/m <sup>2</sup>
Display	240*320 TFT display
Memory	600 groups max.(relative to impact times 32~1)
Work Voltage	9V/500mA.
Interface Port	USB2.0
Dimensions	210 * 85 * 45mm (host).
Weight	0.6kg (host).
Continuous Working Period	about 150hours(With backlight off, no printing)

## IV. Standard Configuration

	No.	Item	Quantity	Remarks
Config	1	Main unit	1	
	2	D type impact device	1	With cable
	3	Standard test block	1	
	4	Cleaning brush (I)	1	
	5	Small support ring	1	
	6	Battery Charger	1	
	7	Manual	1	
	8	Paper for printing	1	
	9	Data Pro software	1	
	10	Communication cable	1	
	11	Package case	1	

