

# JITAI7101 Portable Hardness Tester



## I. Features

- ◆ LCD display of 128\*64 matrix is used.
- ◆ Using the D high precision impact device
- ◆ Converts to all common hardness scales(HV ,HB,HRC,HRB,HRA,HS).
- ◆ English displaying and menu operating, the operation is easy and convenient.
- ◆ Hermetically sealed metal shell, solid and durable, has excellent resistance to vibration, shock and electromagnetic interference ability.
- ◆ With USB2.0 interface, multiple communication modes are adopted to meet customized requirements of various users.
- ◆ Equipped with a data processing software, through the USB interface, can exchange data with computer printing and parameter setting
- ◆ Equipped with 7 types of impact devices which need not to be recalibrated when changing them, the system can identify the type of impact device automatically.
- ◆ Max 600 groups (impact times:32~1) of data can be stored at internal non volatile data storage.
- ◆ Upper and lower limit of hardness can be preset; When the tested value exceeds the limits, alarm will send out automatically to make convenient for the requirements of batch measurements.  
Back light display has been used to make convenient for the use in poor light.
- ◆ Test values software calibration function.
- ◆ Material of "cast steel" is added; HB values can be read out directly when D/DC impact device is used to measure "cast steel" work piece.
- ◆ Printer be separated from main unit and copies of testing results can be printed as required.
- ◆ Power is two of AA battery. Continuous working period: approx. 200 h (no back light on).
- ◆ Software of PC can be installed according to the requirements of user,



the function will be more powerful to satisfy the more strict demands of quality control and management.

- ◆ Failure analysis of pressure vessel, steam turbo-generator set and other equipment
- ◆ Narrow testing space where work piece installed

## II. Main Application

- ◆ The assembled machinery and permanently installed parts
- ◆ Die cavity of molds
- ◆ Heavy work piece
- ◆ Bearings and other parts
- ◆ Cases which require the test result with normalized original recording
- ◆ Material identification of the metal material warehouse
- ◆ Quick tests of large range and multipoint measuring positions for heavy Workpiece.

## III. Technical Specifications

Measuring Range	(170-960)HLD ,(19-651)HB,(13.5-101.7)HRB,(17.9-69.5)HRC,(59.1-88)HRA,(80-1042)HV,(30.6~102.6)HS,also can customized
Impact Directions	Up, down, horizontal, slanting up, slanting down
Tensile Strenght	374 to 2652 N/m 2
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
Hardness Scales	HL, HB, HRB, HRC, HRA, HV,HS.
Standards	ASTM A956,DIN50156-1,GB/T17394-1998
Display	128*64 digital matrix LCD
Memory	600group(32 every group)
Work Voltage	3V( 2 AA alkaline batteries)
Interface Port	USB2.0
Dimensions	125mm*71mm*27mm
Weight	0.3KG
Continuous Working Period	200 hours (with backlight off)

## IV. Standard Configuration

	No.	Item	Qty.
Standard Configuration	1	Main body	1
	2	D type impact device	1
	3	Test block with HLD value	1
	4	Cleaning brush (I)	1
	5	Instruction manual	1
	6	Warranty card	1
	7	Small supporting ring	1
	8	Screwdriver	1
	9	Certificate of conformity	1
	10	Instrument box	1

