

# JITAI7101 Portable Hardness Tester

## Standard Configuration

Main body	Small supporting ring	1
D type impact device	Screwdriver	1
Test block with HLD value	Certificate of conformity	1
Cleaning brush (I)	Instrument box	1
Instruction manual	Software	1
Warranty card		



## Features

- LCD display of 128×64 matrix is used. Converts to all common hardness scales(HV,HB,HRC,HR-B,HRA,HS)
- 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
- Failure analysis of pressure vessel, steam turbo generator set and other equipment

## 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

## Technical Specification

Model	JITAI7101
Measuring range	(170-960)HLD, (19-651)HB, (13-100)HRB, (17-68.5)HRC, (59-85)HRA, (80-976)HV, (30~110)HS
Impact Directions	360° (↓↘↙↗↖↕)
Tensile Strength	374 to 2652 N/mm <sup>2</sup>
Hardness Scales	HL,HB,HRB,HRC,HRA,HV,HS.
Display	128*64 digital matrix LCD
Memory	600group(32 every group)
Interface Port	USB2.0
Dimensions	125mm*71mm*27mm
Weight	0.3KG
Continuous Working Period	200 hours (with backlight off)
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