

# Digital Barcol Hardness Tester

Digital Barcol Hardness Tester is a portable indentation hardness tester developed on base of Barcol impressor.

## Standard Conformance

Comply to standard JJG610-2013 and ASTM B648-10(2015).

## Theory

The theory of digital Barcol hardness tester is to apply with specific shape steel indenter to press in workpieces surface through test force caused by load spring. When supporting foot is closed to the workpieces surface, measure the extension length of the indenter.

## Application

Digital Barcol Hardness Tester is applied to test the hardness of Aluminum, Aluminum alloys, Fiber Reinforced Plastics and rigid plastics etc. wide valid testing range equivalent to Brinell hardness 25-150HBW.

## Technical Parameters

Testing Range	0~100HBa ,	
Effective testing range	35-92HBa, equivalently to 25~150HBW	
Resolution	0.1HBa	
Indication error	hardness range 42~48HBa, $\pm 2$ HBa	hardness range 81~88HBa $\pm 1$ HBa
Repeatability error	hardness range 42~48HBa, $\pm 2$ HBa	hardness range 81~88HBa $\pm 1$ HBa
Power Supply	3 AAA battery	
Net weight	1kg	

## Features

- Single hand operation, easy to take, die-casting alloy shell, comfortable to hold.
- Digital display, more directly reading; Low-configuration can directly display Barcol hardness reading results; High-Configuration can converted Barcol hardness to HW, HV, HBW and HRE easily through conversion button.
- Easily to change indenter; when testing full scale, if it does not point at 100HBa, just to press the full-scale adjustment button is ok, solve the problem on hard full-scale calibration of Barcol impressor.
- External calibration mode, after finishing full-scale calibration, no need to take off the shell, only to adjust the screw reserved on the instrument, then can adjust the hardness value.

## Standard Package

Tester  
High value Standard hardness block (1 pc)  
Low value Standard hardness block (1 pc)  
Calibration wrench  
Spare indenters (2 pcs)  
Supporting foot  
Carrying case

