



# VERTEX

## DIGITAL BARCOL HARDNESS TESTER



Hba-1, a digital indentation hardness tester, is the latest design and development of our company. It is characterized in that provided with a balance positioning, a digital display of hardness value, and a non disassembly calibration and adjusting. It is with good stability, convenient calibration, and high accuracy of detection. It is mainly used in aluminum processing industry, testing pure aluminum, soft aluminum, thick aluminum alloy, aluminum strip, aluminum rod, aluminum castings, aluminum forgings and aluminum alloy products. Also, it can be used for glass steel industry. The relevant standard is ASTM B648-00, ASTM HD2583-07, and GB / T 3854-2005.

### FEATURES:

- Small in size, portable. Single hand operation, easy to use. Can be used in any occasion as long as the hand can reach.
- Wide test range, can test from very soft pure aluminum to a particularly hard aluminum alloy. Effective test range equivalent to the Brinell Hardness of 25 ~ 150HB.
- No need to be supported. Just test on one side of the sample with the hardness tester, no need to be supported. It is suitable for the test of large and extra thick workpiece.
- With the maximum hold function, recording the maximum hardness value during measurements.
- Can be used for measuring barcol hardness, other hardness value can be calculated out by the experimental curve. Such as Brinell Hardness (HB), Vickers Hardness (HV), Webster Hardness (HW), Rockwell Hardness (HRB/HRE/HRF/HRH).

## PRODUCT PARAMETERS:

<b>Parameters</b>	Barcol Hardness (Hba) other hardness value can be calculated out by the experimental curve
<b>Measurement Range</b>	0 ~ 100 Hba, equivalent to the Brinell hardness of 25 ~ 150 HB
<b>Resolution</b>	0.1 HBa
<b>Indication Error</b>	81 ~ 88 Hba $\pm$ 1 HBa
	42 ~ 48 Hba $\pm$ 2 HBa
<b>Repeatability Error</b>	81 ~ 88 Hba $\pm$ 1.5 HBa
	42 ~ 48 Hba $\pm$ 2.5 HBa
<b>Operating Condition</b>	Temperature: 0~50° C
	Humidity: <80 % RH
<b>Size</b>	170x63x82mm
<b>Power Supply</b>	2x1.5vAAA Um-4 Battery
<b>Weight</b>	390g (Not Including Batteries)

## PRODUCT ACCESSORIES:

<b>Standard Accessories</b>	Main Unit, 2 Pins, 2 Standard Blocks, Pin Length Calibration Block, Screw Driver, Spanner, Carrying Case, Operation Manual
<b>Optional Accessories</b>	Bluetooth data output

