



BANBROS ENGINEERING PVT. LTD.

The Precision Measurement People

DIGITAL DISPLAY PORTABLE BARCOL HARDNESS TESTER (IMPRESSOR)

- *VALUE*
- *VERSATILITY*
- *PERFORMANCE*



BBP-100S

**DESCRIPTION:**

BBP-100S is a kind of portable digital hardness tester, it is the typical model which is in widest application mainly used for rapid hardness test for aluminum and aluminum alloy, as well as fiberglass reinforced plastic. Barcol hardness tester has the simple operation by just single hand and wide measuring range, no experience to be needed. It can be applied to all the aluminum and aluminum alloy, only need to contact one side to finish the test.

APPLICATION:

- Standard Barcol Impressor is an indentation hardness tester. The operation is easy, quick and almost non-destructive. The test is as simple as one press. It is a convenient tool for testing the hardness of aluminum, aluminum alloys and fiber reinforced plastics, which conforms to American Standard ASTM B648.
- Standard Durometro Barcol Hardness Tester is mainly used to test the hardness of aluminum and aluminum alloys, to test the hardness of other soft metals and glass fibre reinforced plastic products. It can also be used to test the hardness of extra-large, extra wide, extra thick work pieces, and to test the hardness of boards, belt materials, section materials, forgings and castings etc.
- Standard Durometro Barcol Hardness Tester is commonly used as supplement of Webster Hardness Testers. It is usually used when test the hardness of pure aluminum, low hard aluminum alloys and extra-large, extra thick materials.

FEATURES:

- Equipped with bracket rotation positioning device.
- Hardness conversion function: Machine automatically converts hardness HW, HV, HB, HRE, HRF, HRB, HRH
- With a maximum value retention function, recording the maximum hardness value during the measurement period.
- Mean value calculation function for up to 29 sets of data.
- Small size and light weight (550g), easy to carry.
- Good stability, easy calibration and high testing accuracy.
- Easy to use: one-handed operation, no need to use experience, in any occasion, as long as the reach can be tested.
- Wide testing range. From very soft pure aluminium to particularly hard aluminium alloy can be tested, the effective test range is equivalent to the Brinell hardness of 25-135HB.
- High sensitivity. Webster hardness tester has only 20 scales, while the Barcol test range 0-100, with higher sensitivity.
- No need to support, suitable for testing oversized and thick workpieces and fittings.

**TECHNICAL SPECIFICATION:**

Model No.	BBP-100S
Test Range	0-100HBa (25~135HBW)
Indenter	26° Pan head cone, head face diameter 0.176mm
Resolution	0.5 HBa
Error	$\leq \pm 1 \sim 2$ HBa
Indication Error	Hardness range 42~52HBa ± 2 Hba Hardness range 84~88HBa ± 1 HBa
Repeatability Error	Hardness range 42~52HBa ± 2.5 Hba Hardness range 84~88HBa ± 1.5 HBa
Sample Thickness Requirements	>0.5 mm
Weight	0.5 kg

STANDARD ACCESSORIES:

Item Name	Q'ty	Item Name	Q'ty
Tester Main Body	1	Calibration Wrench	1
Indenter	2	Leg	1
Barcol Hardness Block	2	Carrying Box	1

* Due to continuous product development, Image & specification can be upgrade.