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Barcol Impressor hardness tester

1. portable indentation hardness tester
2. ASTM B648
3. Testing Range: 0~100HBa(25~150HBW)
4. HB, HR, HV and HW

Introduction

A portable indentation hardness tester.

Single hand operation; no operating experience required; can test any workpiece which is reachable in any site.

Wide valid testing range equivalent to Brinell hardness 25-150HBW. Used to test the hardness of all kinds of aluminum, from very soft aluminum to very hard aluminum alloys.

Extended application. Model 934-1 is applied to test the hardness of aluminum, aluminum alloys, copper, copper alloys, fiber reinforced plastics and rigid plastics etc. The improved

model of it is available to test very soft metals such as lead and tin and other soft materials such as soft plastics, rubber, felt and leather etc.

High sensitivity. Featured with 100 scales, much more sensitive than Webster hardness testers applied in aluminum alloys industry.

No supporting required. Can test from only one side of the workpiece. No need to move or support the workpiece.

Used to test super large and thick workpieces and assembly parts.

Easy conversion. The test results can be converted to HB, HR, HV and HW easily through conversion table.

Comply to standard ASTM B648-2000.

Main Technical Parameters

Indenter:	26°pan head cone, head face diameter 0.176mm
Testing Range:	0~100HBa, equivalent to 25~150HBW
Resolution:	0.5HBa
Indication error:	hardness range 42~52HBa, ±2HBa hardness range 84~88HBa ±1HBa
Repeatability error:	hardness range 42~52HBa, ±2HBa hardness range 84~88HBa ±1HBa
Net weight:	0.5kg

Application

Barcol Impressor is mainly applied to test aluminum and aluminum alloys. Webster is used to test aluminum alloy extrusions, sheet and tubings. Barcol Impressor is suitable to test pure aluminum,

soft aluminum alloys, super thick aluminum alloys, aluminum alloys bars and assembled aluminum alloys parts (e.g. al-alloy door & window, scaling ladder etc.)

Relevant Standard: ASTM B648 (Test Method for Indentation Hardness of Aluminum Alloys by Means of a Barcol Impressor)

Barcol Impressor is also used to test fiber reinforced plastics and rigid plastics etc.

Relevant Standard: ASTM D2583-07 (Test Method for Indentation Hardness of Rigid Plastics by Means of a Barcol Impressor)

The improved models of Barcol Impressor are available to test softer plastics, very soft metals, rubber and leather etc.

Standard Package

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