

HST-9341 Barcol Hardness Tester



1. Overview:

The Barcol hardness tester is an indentation type hardness tester. It is fast, simple, and easy to test. It can be used to quickly test the hardness of aluminum and aluminum alloy materials and meet the American standard ASTM B648.

2. Use:

The Barcol hardness tester is mainly used to test the hardness of aluminum and aluminum alloys. It can also test the hardness of other soft metals and glass steel products. Can test a variety of oversized, ultra-wide, ultra-thick workpieces and assemblies, testing plates, strips, profiles, forgings, castings and so on.

The Barcol hardness tester is generally used as a supplement to the Webster hardness tester. It is used when testing pure aluminum, low-hardness aluminum alloys, and large and super-thick materials.

3. Advantage:

- * Small size, light weight (510g), easy to carry.
- * One-handed operation, no need to use experience, in any case, can be tested as long as it can be reached.
- * Wide test range. From very soft pure aluminum to particularly hard aluminum alloys, the effective test range is equivalent to Brinell hardness 25~135HB.
- * High sensitivity. The Webster hardness tester only has 20 scales, while the Barcol hardness tester has 100 scales and has higher sensitivity.
- * The Barcol hardness tester is only tested on one side of the sample and does not require support. It is suitable for testing large and extra-thick workpieces and assemblies.

4. Technical Parameters

Range	0~100HBa
Effective measurement range	equivalent to 25~135HBW
Resolution	0.5HBa
Indication error	42~52 HBa ± 2.0 HBa
	84~88 HBa ± 1.0 HBa
Repeatability error	42-52 HBa ± 2.5 HBa
	84~88 HBa ± 1.5 HBa

5. Standard configuration

Main part	1	Calibration block	2
Calibration wrench	1	Spare needle	2

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