PHB-1 Portable Brinell Hardness Tester

Test force of PHB-1 is controlled by a shear pin. After reading the diameter of the indention with reading microscope, the Brinell hardness value can be obtained from the look up table.

PHB-1 is capable of testing from small to very large specimens, especially suitable for assemblies inconvenient to be taken to the lab and not allowed to be cut. The test can be completed in any direction to test the hardness of upper, lower and lateral part of the specimen.

PHB-1 can be widely used to test the hardness of forgings, castings, steels, nonferrous metal and its alloy products, and to test the hardness of annealed, normalizing and tempered mechanical parts.

Compared to the rebound type hardness tester, the Brinell hammer hit tester has many advantages such as higher precision, fewer factors affecting accuracy and lower requirement on the surface roughness. The test result meets the requirements of most drawings without conversion and is more widely accepted in the international business.

Technical Data:

Test Force 1,580 kgf

Indenter: 7.26mm Steel Ball Indenter,

test range 100~350HBW

4mm Carbide Ball Indenter

test range 350~650HBW

Indicator Error: ≤5% Comply with ISO, ASTM

Repeatability Error: ≤5% Comply with ISO, ASTM

Test Range: 100~650HBW

Net Weight: 0.8 kg

Applications:

In static type, high accuracy, good repeatability, so if the size suitable, it is prior to dynamic type

In dynamic type, regular contrast test with static type is to be done, so as to inspect its accuracy.

Standard Package: