

HYDRAULIC BRINELL HARDNESS TESTER PHB – 3000

STANDARD

ISO 6506 and ASTM E110

PHB-3000 Hardness Tester adopts hydraulic principle and applies 3000kgf test force by hand operation. The central part of PHB-3000 is a small hydraulic system in which a release valve is used to control the test force. When the test force rises 3000kgf, the release valve will open and pressure will fall down. It needs to apply the test force repeatedly 3-4 times to make the needle of the pressure gauge point to 3000kgf for 3-times. Thus it is equivalent to the test condition of Brinell hardness testing method to hold 3000kgf test force with 10mm ball for 10-15 seconds.



FEATURES

- **On Site Testing:** It can be used in workshop and can test hardness of large part. Simple operation, easy carrying, very convenient to test piece by piece
- **Permanent Indentation:** By 3000kgf and 10mm ball, the indentation is permanent for re inspection.
- **High Reliability:** It follows the Brinell hardness test method, same as benchtop testers, reflecting the actual mechanical property of material or parts.
- **Wide Application Range:** As long as clamped to the specimen, it can test parts of any shape and size.
- **Wide Testing Range:** It can test various common metal materials by combination of different test force, indenters and anvils.



TECHNICAL SPECIFICATION

Name	Hydraulic Brinell Hardness Tester
Testing Force	3000kg (500kg, 750kg, 1000kg optional)
Indenter	Φ10mm carbide ball indenter (Φ 5mm available)
Testing Range	32-650HBW
Opening Dimension	350mm (Height)
Throat Depth	100mm
Indication Error	Complies with ISO 6506 and ASTM E10
Repeatability Error	Complies with ISO 6506 and ASTM E10
Test Force Error	≤1% and Complies with ISO 6506, and ASTM E10

STANDARD PACKAGE

