BRINELL HARDNESS TESTER AZA1012

The AZA1012 Brinell Hardness Tester is a robust and high-precision testing machine designed for accurate determination of Brinell Hardness (HBW) in metallic materials. It is particularly suitable for testing non-homogeneous materials and coarse-grained structures, where conventional hardness methods may be less effective.

Widely used in steel plants, foundries, and heavy engineering industries, the AZA1012 provides reliable and repeatable hardness measurements across a broad range of materials including steel, cast iron, aluminum, brass, copper, and alloys.

Key Features

- Heavy-duty rigid metal body for stable operation
- Mechanical or hydraulic load application system
- Wide load range from 500 kgf to 3000 kgf
- Hardened steel or tungsten carbide ball indenters
- Optical microscope for precise indentation measurement
- Optional digital display for enhanced accuracy
- Adjustable dwell time for different materials
- High durability with long service life

Compliance & Certification

- ASTM E10 – Brinell Hardness Testing
- ISO 6506 – Metallic Materials Brinell Test
- IS Standards for hardness testing

AZA LAB UNIVERSE

TECHNICAL SPECIFICATION

Parameter	Specification
Model	AZA1012
Machine Type	Brinell Hardness Tester
Load Range	500 – 3000 kgf
Indenter Sizes	2.5 mm / 5 mm / 10 mm
Dwell Time	10 – 15 Seconds
Measurement System	Optical / Digital (Optional)
Load Application	Mechanical / Hydraulic
Power Supply	230 V AC, Single Phase
Standards Compliance	IS, ASTM, ISO

Model	Description
AZA1012A	Manual Operation Model
AZA1012B	Semi-Automatic Model
AZA1012C	Fully Automatic / Digital Model