

POLDI TYPE HARDNESS TESTER


MODEL : PHM



APPLICABILITY

The hammer type Poldi impact hardness tester is useful for simple and quick determination of Brinell hardness of metals such as steel, Cast Iron, Brass, Aluminium, Copper etc. Due to easy handling and manoeuvrability, this tester is most suitable for testing heavy castings and other components, difficult to be carried to a table type hardness tester.

PRINCIPLE

Load is applied on the specimen and a standard test bar in linear direction through a special Brinell Ball of 10 mm dia. by a hammer blow. The impact load being same, the extent of indentations obtained on the specimen and the test bar depend on their hardness, harder the material less is the depth of indentation. The two diameters of indentations are measured by a special  "Magnifiscope" measuring magnifier supplied with the tester. By referring to the table provided, the hardness of the specimen can be determined.

SPECIFIC USER OF PHM:

Foundries, Workshops, Engineering Colleges, Technical Institutes etc. Useful in any industry where approximate tensile strength is to be determined.

TECHNICAL DATA :

Brinell Ball	: 10 mm dia. Fixed in a special holder with a spring loaded plunger.
Standard Test Bar	: Each bar individually calibrated and multiplying factor marked thereon.
MAGNIFISCOPE	: Measuring magnifier
Measuring range	: 10 mm
Scale graduations	: 0.1 mm
Magnification	: -10 x
Accuracy of measurement	- 0.05 mm

HARDNESS TABLES :

Comparison Tables for finding hardness. Separate Tables for Steel, Cast Iron, Brass, Copper and Aluminium.

GROSS DIMENSIONS

170 x 65x 40 mm (approx.)