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Product Name :
Pendulum Impact Tester (25J)

Product Code :
LBNY-0005-17600011



Description :

Pendulum Impact Tester (25J) has an anvil and pillar which have replicable impact profiles for supporting the notched specimens prior to testing. A heavy hammer swings on a pre-defined radius, set by the hammer arm. A sturdy bench top mounted unit for the study of notched bar impact strength tests. The initial energy of the hammer can be varied by changing the starting weight and/or the start height of the hammers swing this can be varied between 3 set positions. A sturdy base plate with protective guard surround houses all the components, the guard has a lockable door for ease of access when setting the test but also security whist not in use. As the hammer swings through its radius, it impacts on the specimen and the distance it travels passed the specimen is measured on an integral scale shown in degrees.

Experimental Capabilities:

To determine notched impact energy absorption.
The influence of starting mass, starting height on the overall potential energy of the swinging mass.
Notched bar impact strength, Charpy test.
Understand the influence of materials and their properties on notched impact.
Observe and evaluate fracture surface characteristics from broken samples.
Understand the influence of notched shape and cross sectional area on the notched bar impact.

Technical Specification :

Bench top apparatus for notched bar impact strength tests.
Impact Hammer and weight set provided.
Full safety guard with lockable door.
Quality testing and evaluation of the fracture behaviour of metals.

Variable Start Height, 3 different start heights.
Variable Start Weight, 6 different start weights.
Suitable for non-metals also.
To have aluminium and brass test specimens supplied.



Laboratory Instrument India