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Product Name :
Fatigue Testing Machine

Product Code :
SCHOOL-STL690003



Description :

Fatigue Testing Machine

Technical Specification :

This machine is light, compact and simple design used to test the fatigue strength of materials and draw S-N diagram used for research institutes, laboratories, material manufacturer and various industries. Table model, no need of foundation. This is a rotating beam type machine in which load is applied in reversed bending fashion. The bending moment is applied with a lever system and can be easily changed by moving a weight over the lever. Total number of revolutions at which the specimen fails are recorded by a Digital counter. The standard 8 mm dia specimen is held in special holders at its ends and loaded such that it experiences a uniform bending moment. The specimen is rotated at 4200 rpm by a motor. A complete cycle of reversed stresses in all fibres of the specimen is produced during each revolution. An interlocking system puts off the motor at specimen failure.

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