



DIGITAL FATIGUE TESTING MACHINE



MODEL : SSS-FTM-8(D)

Application & Operations

This machine is used to test the fatigue strength of materials and to draw S-N diagram by research institute, laboratories, material manufacturers and various industries. This is rotating beam type machine in which load is applied in reversed bending fashion. The standard 8 mm dia specimen is held in special holders at its ends and located 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. The bending moment is applied with the lever system and can be easily changed by moving a weight over the lever. Total number of revolution at which the specimen fails are recorded by a mechanical counter. An interlocking system puts off the motor at specimen failure. Machine meets requirement of IS 5075-1969.

Features

Table model, no need of foundation.
Simple lever system for changing load.
Calibration in Nm available on request.
Light weight, Simple design, Compact Size.

SPECIFICATIONS	SSS-FTM-8(D)
Max. bending moment (Kg. cm)	200
Bending moment adjustable (Kg.cm)	25 - 200
Ranges : 1 - Kg.cm II - Kg.cm	25- 125 125-200
Gripping dia of specimen (mm)	12
Testing dia of specimen (mm)	8
Rotating speed in RPM	4200
Accuracy of applied bending moment	±1%
Mechanical Counter: No. of digits	6 3
Multiplying factor	
Power required in HP	0.5
Main Supply	3ph 440v 50hz
Overall size (mm)	1000LX500WX600 H
Weight (Kg)	120

Due to constant R&D specification are subject to change without notice.



SSS INSTRUMENTS

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