

Product Name :
Fully Automatic Servo Controlled Universal Testing
Machine

Product Code :
TEST5092RFQLAB-0002



Description :

Fully Automatic Servo Controlled Universal Testing Machine for Testing Lab Equipment Tender Suppliers India

Technical Specification :

The machine is based on Servo Hydraulic Closed Loop principle and fully computer controlled, operated through Windows based software with ease of operation. It is capable of carrying out all mechanical tests such as Tensile Strength, Proof Stress, Compression Test, Shear Test, Flexure test, Hardness test etc. machines are similar in construction machines except for automatic pace setting based on servo hydraulic closed loop principle. In these series of machines the pace setting is achieved through a combination of advanced electronic and hydraulic system. Pacing speed is programmed through the software in selectable control modes and controlled by servo/proportional valve through PID controller.

Salient Features

Based on SERVO HYDRAULIC CLOSED LOOP FEEDBACK mechanism.

Comply with various International and National standards.

Six pillar type Loading frame to have better stability.

Easy cross head movement on the two pillars to adjust the gap with easy operation for specimen as per requirement.

Easily changeable Hydraulically operated Grips for Tension test.

Fully Computer Controlled operation with User friendly Software.

Controlling on both Load (kN/sec)/stress (N/mm²/sec), Displacement (mm/sec) or Strain Control basis.

Facility to study Post failure behaviors of specimens.

Inching/Release operation to set Sample.

Auto release facility after specimen failure.

8 or 12 Additional input channels for external transducers.

Load Measuring Accuracy less than +0.5% of the measured value of Load in the Range from 1% -100% capacity.

Displacement Measuring Accuracy less than +0.5% of the measured value of displacement.

High speed Data acquisition and Statistical Analysis software.

Online display of test data with real time plotting of Load v/s Time, Displacement v/s time, Load v/s Extensometer and Load v/s Displacement graphs.

Statistical analysis of the test results along with facility to export data to Excel.

Safety features like over travel limit for central cross head, over travel limit for ram and over loading of the system and overheating of oil is provided as standard in the machine.

We are a leading manufacturers of Fully Automatic Servo Controlled Universal testing equipment for a range of industries, including materials science testing lab. We offer full range of Fully Automatic Servo Controlled Universal testing equipment, including Fully Automatic Servo Controlled Universal testing kit, Fully Automatic Servo Controlled Universal testing machine, Fully Automatic Servo Controlled Universal testing tools, Fully Automatic Servo Controlled Universal test equipment, Fully Automatic Servo Controlled Universal test machines, Fully Automatic Servo Controlled Universal for Lab Testing Instruments. We are suppliers of materials testing tools and equipment for the construction industry. Our mission is to provide reliable, accurate, and easy-to-use Fully Automatic Servo Controlled Universal testing equipment that helps customers build better, safer, and more sustainable infrastructure.



Testing lab instruments India