

Product Name :
Tensile Testing Lab Machine

Product Code :
NLAB-TESTINGLABM90001



Description :

Tensile Testing Lab Machine

Technical Specification :

Tensile Testing Machine - Tensile strength and elongation are the two prime characteristics of most of the raw materials, whether they are metals; or non metals such as rubber, leather, textiles, plastic, paper; or finished products such as rods, wires, ropes, yarns, belts etceteras. These two properties often play a major role in determining the suitability of any raw material for any specified application. It is, therefore, of utmost importance to determine these characteristics accurately, conveniently, and quickly. & The Globe Tensile Testing Machines provide a relatively inexpensive way for determining the tensile strength and elongation of a variety of raw materials such as rubber, leather, fabric, plastics, belts, wires, etceteras. They are based on constant rate of traverse principle, in which one end of the test specimen is held in a stationery grip while the other end is moved at a known fixed speed with the help of a motor, gear box, and screw arrangement. & In electronic type tensile testers, the load exerted on the stationary grip is measured by a load cell and is displayed on a digital indicator. The indicator has a peak force retention memory which can be recalled to display the maximum load exerted on the test specimen before its failure. An overload protection relay is provided to automatically stop the motor if the load exerted

goes above the maximum capacity of the load cell. & A variety of grips suitable for holding different materials or for conducting different tests is available as optional accessories. & Arrangement to plot load versus elongation graphs can be provided against specific requirement. mechanical lab equipments manufacturers

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