

Universal Testing Machine



Description

Universal Testing Machine is designed for testing metals and other materials under tension, compression bending, transverse and shear loads. Hardness test on metals can also be conducted.

Principal of Operation

Operation of the machines is by hydraulic transmission of load from the test specimen to a separately housed load indicator. The hydraulic system is ideal since it replaces transmission of load through levers and knife edges, which are prone to wear and damage due to shock on rupture of test pieces. Load is applied by a hydrostatically lubricated ram. Main cylinder pressure is transmitted to the cylinder of the pendulum dynamometer system housed in the control panel. The cylinder of the dynamometer is also of self-lubricating design. The load transmitted to the cylinder of the dynamometer is transferred through a lever system to a pendulum. Displacement of the pendulum actuates the rack and pinion mechanism which operates the load indicator pointer and the autographic recorder. The deflection of the pendulum represent the absolute load applied on the test specimen. Return movement of the pendulum is effectively damped to absorb energy in the event of sudden breakage of a specimen.

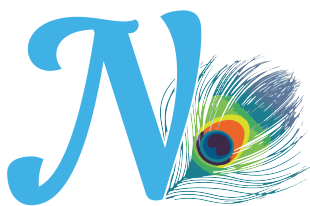
Salient Features

- Most simple and Easy to use
- Able display force value and changed sharp value
- Confirms BIS 1825-1991 and ISO -7500--1986
- Able proceed tensile, compression force, peeling, tearing testing
- Auto Load Selector
- Loading Accuracy as high as +/-1%
- Straining at variable speeds to suit a wide range of materials
- Wide range of standard and special accessories, including load stabilizer
- Fully enclosed and protected pendulum
- Large effective clearance between columns enables testing of standards specimens as well as structures

Power : 1-3kw

- **Voltage :** 110V
- **Warranty :** 1 Year
- **Usage :** Industrial
- **Automatic Grade :** Fully Automatic
- **Usage :** Testing

Address:



Nova Chemicals Co.
Shop No.101, First Floor, Rahul Complex II,
S.T. Bus Stand Square, Ganeshpeth ,
Nagpur - 440009, Maharashtra.
Ph No : +91 9372307915, +91
8055576006