

Product Name :
Universal Testing Lab Machine

Product Code :
NLAB-TESTINGLABM15001



Description :

Universal Testing Lab Machine

Technical Specification :

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. 1000KN, is designed to perform tensile, compression, bending and shear tests on most widely varying materials, both in form of test pieces and as finished products. Hardness test on metals can also be performed. The equipment is calibrated in accordance with B.S. 1610 and I.S. 1828-1993. UTM comply with grade 'A' of B.S. 1610: 1964 and grade 1.0 of I.S. 1928-1993

Salient Features

Loading Accuracy as high as $\pm 1\%$

Straining rate to cover a wide range of materials

Continuous roll type load elongation recorder

High reading accuracy due to large size and design of dial

Simple controls to facilitate ease of operation

Fully enclosed and protected load measuring system

Wide range of standard and special accessories including load stabilizer

Robust straining frame

Suitable for standard specimen and also structures.

Motorized UP / DOWN movement of lower crosshead to enable easy and rapid fixing of test specimen.

Auto load selection facility

The machine consists of Straining Unit, Control panel (Power pack, complete with drive motor and an oil tank, control valve, a pendulum dynamometer, a load indicator system and an autographic recorder

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