

HYDRAULIC SERVO CONTROL (CLOSED HEAD DESIGN) (SINGLE ACTING RAM)

MATERIAL TESTING MACHINE



UNIVERSAL TESTING MACHINE (COMPUTERIZED) SERVO CONTROL VERSION (SINGLE ACTING RAM)

TECHNICAL FEATURES

- Stress Controlled 0.1kN/min. to Full Load kN/min.
- Strain Controlled 0.01 mm/min. to 100 mm/min.
- Torque Compensated Power Pack
- Air Cooled inter cooler
- 100% control via Rj45 / USB Interface
- On-Board Characteristics linear zing
- Fully Computer Controlled
- Bumpless P.I.D Control
- Dual Channel shifting
- 64 KHz data sampling rate
- Load Hold Capability for 24 Hrs. within $\pm 1\%$ of Set Load Value



Mechanical Extensometer
Least Count 0.01 mm



**Electronic extensometer with
1 micron accuracy & interfacing
software to PC**



**Torque compensate
power pack**



**Electronic Controller
(Optional Standalone System)**



MATERIAL TESTING MACHINE

ACCESSORIES FOR UNIVERSAL TESTING MACHINE (SINGLE ACTING RAM)

STANDARD ACCESSORIES

For Tension Test :

- Clamping Jaws for Testing Round Specimens under Tension
- Clamping Jaws for Testing Flat Specimens under Tension

For Compression Test :

A pair of compression platens, duly hardened, ground and polished with bottom platen provided with guide lines for placing the test specimen co-axial with the hydraulic ram.

For Bending / Transverse Test :

Table with Adjustable Rollers complete with Mandrel for conducting Bending/Transverse Tests

OPTIONAL ACCESSORIES

The Universal Testing Machine is made more versatile and utility oriented for carrying out a number of other tests as well with Accessories/Attachments that are Optional.

These Optional Accessories/Attachments are priced nominally and are quite indispensable especially for Technical Institutions.

FEATURES

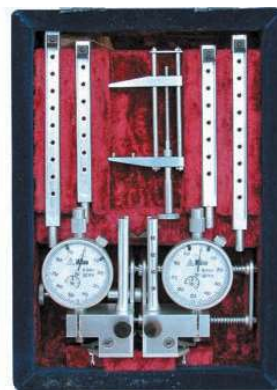
- Load Stabilizer
- Brinell Hardness Test Attachment
- Double Shear Test Attachment : Small & Large
- 180° Bend Test Attachment
- Bare Attachment
- Bushes for Testing Threaded Specimens
- Bushes for Testing Collared Specimens
- Attachment for Testing Wire & Manila Ropes
- Extensometers : Mechanical/Electronic with Fixed & Variable Gauge Length
- Flexure Testing Attachment

We also manufacture customised testing accessories as per customer requirements



SM-II

◀ Extensometers ▶



MK-III

Electronic Extensometer are also in our Range