ELECTRONIC TENSOMETERS

The Electronic Tensometer is a Horizontal Bench Model Tensile Testing Machine, Capacity 20KN. The instrument is useful for testing variety of materials such as metals, plastics, timber, ceramics, rubber, cement, fabric etc. in tension, compression shear and bend. The test results are obtained accurately and speedily.

The instrument is supplied with load cells for the load measurement. The Digital Readout System shows the test result of different parameters such as load, displacement etc. as per the facilities provided in different models.

With the machine there is a choice of over 100 accessories and grips to cover most of the varied requirements for Research and Development , Quality Assurance, In Science Industry. The instrument can be power or manually operated on any small laboratory or test-shop bench or table. An extremely legible, easy to follow Digital Readout System ensures ease of operations making the Electronic Models of Tensometer ideal for material testing or any other force measurement solution.
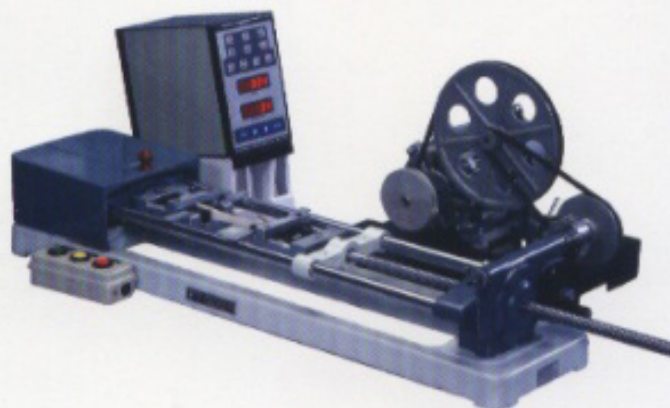
Models of Electronic Tensometer

Model - ER 1

Electronic Tensometer with Load Cell and Digital Readout for Force & Displacement measurement.

Facility for Automatic Peak Detection with Digital LED Display.

Load cells available : 20KN, 2KN and 0.2 KN. (Optional)

Model - ER 3

Microprocessor Controlled Electronic Tensometer with Load Cell and Electronic Display for Force and Displacement.

- Printer interfacing facility through Digital Readout System (DRO)
- Multi functional DRO
- Load V/s Displacement graph directly obtained without PC on Dot Matrix Printer
- Pre-Determined Test Data can be entered in DRO
- Auto Scaling
- Software along with Data transfer unit (Optional)
- Load cells available 20KN, 2KN & 0.2 KN (Optional)

The test results such as Peak Load, Peak Displacement, Breaking Load, Break Displacement, Accepted / Rejected results can be obtained. The other information viz. Date, Time, User Name, Suppliers reference also can be entered in DRO prior to the test. PC - P IV or above with 64 MB RAM is recommended for software use.