

TENSILE TESTING MACHINE COMPUTERISED



DESCRIPTION

These models are suitable for testing metals and iron, Plastics, Rubber, Ceramics, Fabrics, Composites, Cables, and wires.

Load is measured through a strain gauge-based Load Cell and elongation is through a rotary encoder. Depending upon the customer's requirement a suitable type of grips is available. Extra Load cells can be offered suitable for low-load samples.

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TECHNICAL SPECIFICATIONS: -

Max. Capacity	2500N	5000N	10kN	25kN	50kN
Measuring range	0-2500N	0-5000N	0-10kN	0-25kN	0-50kN
Ranges Least Counts	0.125N	0.25N	0.5N	1.25N	2.5N
Elongation Scale L.C.	0.01mm	0.01mm	0.01mm	0.01mm	0.01mm
Grip separation without Grip:Min Max	25mm 750mm			25mm 600mm	
Variable speed Drive step less variation	5to300mm/min				
H.P.(for standard speed)	1Hp		2hp		
Supply	3Phase, 415Volts, 50HzAC				
Over travel safety	Provided with each model				

SOFTWARE FEATURES: -

- Menu-driven form system with color graphs to compare sample test results.
- Test details and reports are stored in the database.
- User-programmable master test templates
- Users can select a test from master test Templates and can start similar test
- Load and Elongation is continuously displayed on a screen
- Overload protection for machines by electronic control
- Tare Load and Reset Elongation facilities were available.
- User-selectable sample break detects the condition
- Load rate and strain rate are also displayed while testing
- Unlimited Load rate and strain rate control steps*
- With the Load rate controller, the user can hold the load on the specimen for an unlimited time*
- With Load rate control, the user can specify a positive or negative Rate of Loading*