



EIE INSTRUMENTS PVT. LTD.
(An ISO 9001:2015 Certified Company)

TENSILE TESTING MACHINE FOR CEMENT BAG - 250 KGF (2.5 KN) - WITH SOFTWARE AND PC INTERFACE



Compliance standards:

IS:11761 -1997 / IS:11652-2000 / IS 12154 / IS:16709-2017

Applications:

For Cement bag Tensile Strength Test

Overview:

Computerized Tensile Strength testing machine having capacity of 0-250 Kgf (2.5 KN) (2500 N). Supplied complete with dedicated software program. Equipped with ball screw, Induction Motor & drive (for speed variation 50mm/min to 300mm/min) along with encoder to measure the elongation using pair of grips. **Grip is available at extra cost and quoted separately.**

Salient Features:

- Floor standing model
- Aesthetic outer appearance
- Unique and compact design features
- Fitted with Microprocessor based PROGRAMMABLE Logical controller
- Computer interface through USB Drive
- Equipped with Ball screw for friction less traverse
- Rotary encoder for high accuracy in elongation
- Reputed make induction motor with dedicated gear box and drive for speed variation and to maintain speed at high torque (at maximum load)

- Easy to use display unit (controller part) and software
- In-built Over Load Safety
- In-built Over Travel Safety
- Auto Reverse facility
- Auto Break
- You can get graph for load v/s elongation (stress v/s strain) and also get a excel sheet with a single click

Software facility: (At extra cost)

- Specially designed Windows based Graphical Dedicated Software
- RS 232 interface with WINDOW based software to conduct the test directly from software itself
- Can store generated data with corresponding graph
- User can export the generated data in various file formats such as i.e. Excel, PDF etc
- Large Storage capacity (More than 50,000 tests) Depending upon Hard Disk capacity.
- User can change the design of generated graphs i.e. Line, Doted line, etc facility in graph
- Graph Grids color combination facility
- Graph zooming facility
- Individual graph comparison facility
- Graph overlapping facility for analysis of material property
- Auto scaling facility
- Company logo insertion facility
- Software can run various tests and can recall data for any test conducted the in history. (If Saved)
- Software is Menu Driven for easy navigation.
- Test reports and graphs directly printed on terminal printer through direct print commands
- Data and Result Units Selectable
- User can operate the machine directly from the software itself



Technical Specification

•Exterior Body Paint	: Powder coated
•Display	: Digital LCD Display
•Capacity	: 0-250 Kgf (0-2500 N)
•Load cell	: 'S Type' load cell of reputed make
•Vertical Clearance	: 700 mm
•Pneumatic clamping pressure	: Adjustable upto 5 kg/cm ² (Optional)
•Results displayed on screen	: Load, Elongation values, Testing speed and type of test
•Least count for elongation	: 0.01mm
•Least count for load	: 0.01 kg or 0.1 N
•Load units	: Kg & KN as per selection
•Speed Variations	: From 50mm/min to 300 mm/min
•Motor for speed variations	: Reputed make induction motor with dedicated gear box
•Test jaws	: Individual jaws for Tensile Test of CEMENT HDPE BAG

•No. of screws	: Single screw mechanism driven through motor & gearbox
•Power Supply	: 230 Volt, 50 Hz, Single Phase, AC Supply

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