

TENSILE TESTING MACHINE

TTM SS

- Single screw model - low capacity and less space occupation
- Ball screw & LM guideway mechanism - smooth operation
- Brushless maintenance free drive system
- Digital control - stable accurate speed of movement
- Extra fine micro stepping drive for accurate positioning and loading control
- Multi range force display - single machine covers wide range
- Fast accurate human error free automatic testing
- Programmed automatic test cycle with tabular data record (graph) yield point, ultimate load & failure load detection
- Loadcell & structural deflection compensated, by special technique
- Physical & electronic overload protection ensures safety of the loadcell.
- Both tensile and compression testing modes in a single machine



- Operation as stand alone or through computer
- Windows based user interface software.
- Online display of test result as being strobed
- Saving test result for later use.
- Recall display of saved test result in tabular form or as graph
- Print out test result in tabular form or as graph
- Statistical analysis on saved test result
- Unit selection - force : kg/newton/pound, length: mm/inch

Specifications

- Different capacity models available : 10kg, 20kg, 50kg, 100kg
- Capacity resolution combination available mentioned below
- Length display/ positioning resolution -0.01 mm (0.001 mm optional) Speed- programmable resolution : 0.01 mm/min, range : 0.05 to 500.00mm/min
- Loading control resolution depends on the stiffness of specimen, the internal position resolution finer than 0.1 micron ensures fine loading control
- Stroke different options available-300mm, 600mm, 1000mm, 1200mm

Capacity	Multi Ranging resolution (Auto range)			
10 kg	0 - 0.5 kg 0.1 gms	0.5- 1 kg 0.2 gms	1- 5kg 1 gms	5 - 10kg 2 gms
20 kg	0 - 1 kg 0.2 gms	1 - 2kg 0.4 gms	2-10kg 2 gms	10 - 20kg 4 gms
50 kg		0 - 5 kg 1 gms	5 -25kg 5 gms	25 -50kg 10 gms
100 kg	0 - 5kg 1 gms	5 - 10kg 2 gms	10- 50kg 10 gms	50 - 100kg 20 gms

SIMPLETECH INSTRUMENTS

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