Model No. TTM-D (C) Zeus Ultimo

Tensile Testing Machine Computerised is a consistent tool that helps the manufacturer in testing the breaking, tensile and compression strength of various materials, components and finished products. It is based on the principle of Constant rate of extension (CRE). PRESTO Tensile Testing Machine Computerised is manufactured under various test standards such as ASTM D412, ASTM D429-73, ASTM D624, ATM D638-01, ASTM D76, IS 13360-5-7, IS 3400(Part1-1987).

Top View

Front View

Side View

Strong Gripping Clamp

* for 500 Kgf capacity model

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Features:

- Advanced load sensor sensing through advanced electronics.
- Speed Control through Variable Frequency drive automation by Graphic user interface PC.
- Highly sensitive load sensor with linearity feature and repeatability.
- Cross head travel length: 800 mm without grips.
- Twin column rugged structure.
- Safety limit switches for over travel safety.
- Hardened lead screws/ball screws for frictionless movement.
- Load cell calibrated by NABL approved proving ring/dynamometers.
- Advanced Navigation System.
- High accurate micro-controller based system controls with integrated software.
- User Friendly software with intuitive icons and robust architecture.
- Inbuilt hardware/software CD.
- Easy Data Management. User programmable product identification, lot no., shape of specimen, company name, operator details etc.
- USB compatible for high speed data transfer.
- Export Test report in excel format.
- Print preview of test reports with Zoom Feature available.
- Online test run status can be viewed graphically or in raw data form.
- Secured working with key protection feature.
- Ease of use features: Graph setup, test control wizard, formulae/result calculations, reports, live test panel.
- Graph setup: user defined graph scale/range with Graph Title.
- Test Control Wizard to set test parameters like tension, compression, changeable units in Kgs/N/lbs or cm/mm/inch.
- Automatic end test/return to home position through software interface after completion of test.
- Immediate analysis of results after test with complete accuracy & precision.
- Option to email test reports.
- Single Test start with one click entry of the mouse.

Reliable and user friendly software in various industries like rubber, plastics, automotive, polymers, textiles, R&D labs, production, material testing. A comprehensive Universal testing solution, PRESTO tensile testing machine computerized – Zeus Ultimo is a one stop solution for studying tensile properties of various products.
Key Specification

<table>
<thead>
<tr>
<th>Display</th>
<th>Graphical with test data output through Inbuilt Software</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>220V, Single / Three phase, 50 Hz</td>
</tr>
<tr>
<td>Accuracy</td>
<td>± 2% at Full Load (with master load)</td>
</tr>
<tr>
<td>Standard Speed</td>
<td>50-500 mm/min</td>
</tr>
<tr>
<td>Grip to Grip Separation</td>
<td>Min 25mm and Max. 700mm</td>
</tr>
<tr>
<td>Digital load indicator</td>
<td>7 segment LED Display (optional as per request)</td>
</tr>
</tbody>
</table>

Optional Features:
- Grippers for different test material also available.
- Self Tightening grip
- Wedge Type grip
- Vice Type grip
- Compression Plate
- Flexural
- Roller Type Grips

Communication Converter: USB / RS 485

Material: Mild Steel

Finish: Powder coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish

Dimensions: 1125 x 650 x 1550 mm

Highlights:
- Drive Mechanism: Variable Frequency AC Drive
- Safety: Yes
- Grippers (optional added based on requirement):
  - Vice Type (Standard Gripper)
  - Flexural
  - Compression Plate
  - Wedge Type
  - Roller Type
- Communication Converter: USB / RS 485
- Material: Mild Steel
- Finish: Powder coated Havel Gray & Blue combination finish and bright chrome / zinc plating for corrosion resistant finish
- Dimensions: 1125 x 650 x 1550 mm

Capacities Available

<table>
<thead>
<tr>
<th>Capacities (Kg.)</th>
<th>Least Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>1gm</td>
</tr>
<tr>
<td>10</td>
<td>1gm</td>
</tr>
<tr>
<td>20</td>
<td>2gm</td>
</tr>
<tr>
<td>50</td>
<td>5gm</td>
</tr>
<tr>
<td>100</td>
<td>10gm</td>
</tr>
<tr>
<td>250</td>
<td>100gm</td>
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<tr>
<td>500</td>
<td>200gm</td>
</tr>
<tr>
<td>1000</td>
<td>500gm</td>
</tr>
<tr>
<td>2500</td>
<td>1kg</td>
</tr>
<tr>
<td>5000</td>
<td>2kg</td>
</tr>
<tr>
<td>10000</td>
<td>5kg</td>
</tr>
</tbody>
</table>

* Other capacity available as per requirement.
* Computer, Printer, UPS & Table not part of supply

Thank you customers for choosing us as your partners in growth!

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OUR OTHER PRODUCTS:
- Digital GSM Balance
- Cobb Sizing Tester
- Scuff Resistance Tester
- Box Compression Tester
- Tensile Tester Digital
- Spectrocolorimeter
- Digital GSM Balance

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