ElectroForce® Multi-station TestBench Instrument

Versatile for Multi-station Testing of Materials or Components

The ElectroForce® Multi-station TestBench instrument combines high accuracy performance with a versatile design to accommodate the characterization of a wide variety of materials and biomaterials. The system features up to four compact frames for use on a single tabletop, controlled by one desktop computer, with capabilities to adjust each station’s parameters independent of the others.

Benefits

The Multi-station Testbench instrument can be used with a variety of fixtures to meet the needs of many applications.

The system provides:

- Testing in load control applications for up to 4 specimens
- Independent control of each test station including:
  - Waveform parameters (including waveform type, frequency, and limits)
  - Start and stop conditions
  - Limits
- 2-station configuration or 4-station configuration

The reaction brackets are pre-designed to allow easy attachment to the base plate. Each breadboard is supplied with a simple bolt pattern, making it easier to mount the TestBench components in the desired configuration. Standard grips and accessories can be used to connect a specimen to the base plate or to the movers.

Customers can take advantage of the patented ElectroForce linear motor to obtain high resolution data for low force characterization of a variety of materials. ElectroForce’s linear motor has an unparalleled 10-year warranty due to its frictionless design, ensuring long-life for durability testing applications.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
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</thead>
<tbody>
<tr>
<td>Max Force Capacity (N)</td>
<td>200</td>
</tr>
<tr>
<td>Max Displacement Range (mm)</td>
<td>12.5 (+/− 6.5)</td>
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<tr>
<td>Frequency</td>
<td>100 Hz</td>
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<tr>
<td>Dimensions (H x W x D) (in)</td>
<td>31.8 x 12 x 17</td>
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<tr>
<td>Weight (lbs) - per station</td>
<td>74.5</td>
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Specifications are subject to change

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