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IDEAL PLACEMENT AND BENCH MEASUREMENTS

Select a location with adequate floor and ceiling space and a rigid laboratory bench that is level and is in a vibration-free environment. Bench must be rated to support several hundred pounds.

- Table width: 1.5 m (5 ft)
- Table depth: 1.2 m (4 ft)
- Distance from the wall: 0.15 m (0.5 ft) min.
MAIN SYSTEM COMPONENTS

A. Test Instrument – Axial Frame
B. Test Instrument – Pulsatile Frame
C. Computer Monitor
D. Computer Tower
E. PCI Electronics Box
F. Power Supply (Axial)
G. Emergency Stop
BIODYNAMIC® 5110 AND 5170 – AXIAL FRAME

- Height: 585 mm (23 in)
- Width: 287 mm (11.3 in)
- Depth: 221 mm (8.7 in)
- Weight: 13.6 kg (30 lbs)

BIODYNAMIC 5170 AND PULSATILE ONLY – PULSATILE FRAME

- Height: 373 mm (14.7 in)
- Width: 287 mm (11.3 in)
- Depth: 221 mm (8.7 in)
- Weight: 11.3 kg (25 lbs)
BIODYNAMIC® 5115 AND 5175 – TORSION FRAME

- **BIODYNAMIC® 5115**
  - Depth: 510 mm (20 in)
  - Width: 405 mm (16 in)
  - Height: 729 mm (28.7 in)
  - Weight: 31.8 kg (70 lbs)

- **BIODYNAMIC® 5175**
  - Depth: 221 mm (8.7 in)
  - Width: 461 mm (18.2 in)
  - Height: 230 mm (9 in)
  - Weight: 27 kg (60 lbs)

POWER SUPPLY

- **POWER SUPPLY**
  - Depth: 510 mm (20 in)
  - Width: 405 mm (16 in)
  - Height: 230 mm (9 in)
  - Weight: 27 kg (60 lbs)
# Utility Requirements

## POWER

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrument Power</td>
<td>• 104–132V, 50/60 Hz, 15A</td>
</tr>
<tr>
<td></td>
<td>• 207–250V, 50/60 Hz, 10A</td>
</tr>
<tr>
<td></td>
<td>• Neutral to Ground (NG) voltage max 0.5 volt</td>
</tr>
<tr>
<td></td>
<td>• Safety ground per local regulation</td>
</tr>
<tr>
<td>PCI Box Power</td>
<td>• 104–120V, 50/60 Hz Hz, 1.25 A</td>
</tr>
<tr>
<td></td>
<td>• 207–230V, 50/60 Hz Hz, 0.8 A</td>
</tr>
<tr>
<td>UPS (Optional)</td>
<td>• 104–120V, 50/60 Hz, 1A</td>
</tr>
<tr>
<td></td>
<td>• 207–230V, 50/60 Hz, 0.5A</td>
</tr>
<tr>
<td>Power cords provided</td>
<td>• 5-15 plug for 120V systems</td>
</tr>
<tr>
<td></td>
<td>• 6-20P plug for 230V systems</td>
</tr>
<tr>
<td></td>
<td>• International: Line power cord provided is based on country</td>
</tr>
</tbody>
</table>

- Use power cords with plugs appropriate for your circuit.
- Supply voltages lower than indicated may result in a degradation of performance.
- Ensure that the mains assigned do not also supply power to noise generating equipment nearby, such as motors, welders, transformers, etc.
- An independent heavy GROUND wire must be provided through the power hookup.
- Improper grounding may cause severe damage for which the supplier will not accept responsibility. All power strips must be fully grounded and carry the ground through to the sockets into which the computer is plugged.
## Utility Requirements

### MISCELLANEOUS

<table>
<thead>
<tr>
<th>Item</th>
<th>Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature</td>
<td>18°C (64°F) to 30°C (86°F)</td>
</tr>
<tr>
<td>Flow Loop</td>
<td>18°C (64°F) to 40°C (104°F)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>40–65% (non-condensing)</td>
</tr>
</tbody>
</table>
Site Preparation Checklist

**ElectroForce® BioDynamic® 5100 Series**

<table>
<thead>
<tr>
<th>Test Instrument(s) being installed – select all that apply:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Axial Frame</strong></td>
</tr>
<tr>
<td>□ 5110</td>
</tr>
<tr>
<td>□ 5170</td>
</tr>
<tr>
<td><strong>Pulsatile Frame</strong></td>
</tr>
<tr>
<td>□ 5170</td>
</tr>
<tr>
<td>□ 5175</td>
</tr>
<tr>
<td>□ Pulsatile only</td>
</tr>
<tr>
<td><strong>Torsion Frame</strong></td>
</tr>
<tr>
<td>□ 5115</td>
</tr>
<tr>
<td>□ 5175</td>
</tr>
</tbody>
</table>

- Enough bench/floor space for instrument and computer
  - □ Table width: 1.5 m (5 ft)
  - □ Table depth: 1.2 m (4 ft)

- Instrument power is
  - □ 104–132V, 50/60 Hz, 15A
  - □ 207–250V, 50/60 Hz, 10A

- □ The Customer assumes responsibility for any damage that occurs when the instrument is moved by someone other than a trained TA Instruments Service Representative.

I hereby acknowledge that all utility requirements have been met per the checklist above and that they will be ready at the agreed time of installation.

If all utility requirements are not met at the agreed time of installation, additional charges may be incurred for a return Service trip.

---

Customer: __________________________ DD MM YYYY

Company: __________________________

City: __________________________ State: _________ Country: _________

Please send a signed copy of the completed checklist to your local Service representative.
For information on our latest products, contact information, and more, see our website at: http://www.tainstruments.com.

To find your local TA Instruments office and contact information, visit http://www.tainstruments.com/contact/ta-directory/

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