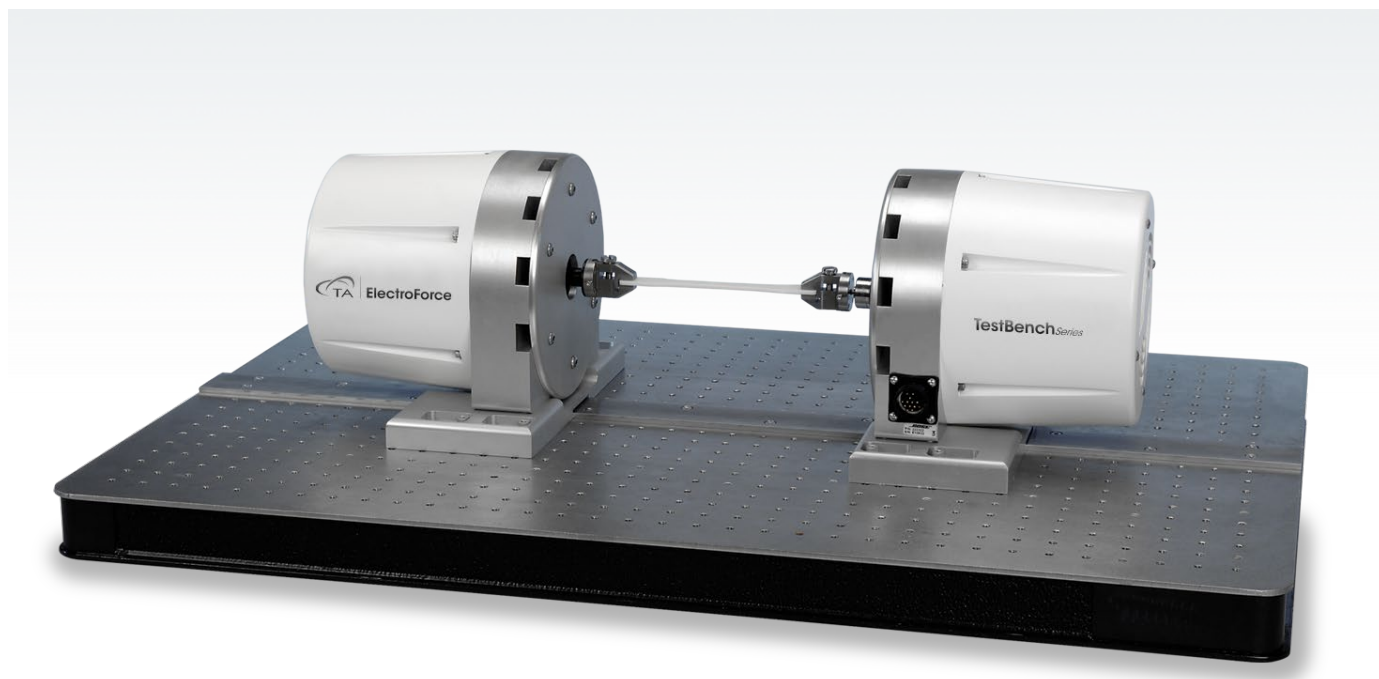


ElectroForce® TestBench Series



Site Preparation Guide

Table of Contents

Table of Contents	2
Ideal Setup.....	3
System Components.....	4
Instrument Measurements.....	5
Utility Requirements	6–7
Power	6
Fluid.....	7
Site Preparation Checklist	8
TA Instrument Offices.....	9



Circulator



Power



Cooling



Gas



LN₂



Fluid



Light



Hardware



Software



Temp



Lab



Customer

Ideal Setup



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.



Distance from the wall:
0.15 m (0.5 ft) min.

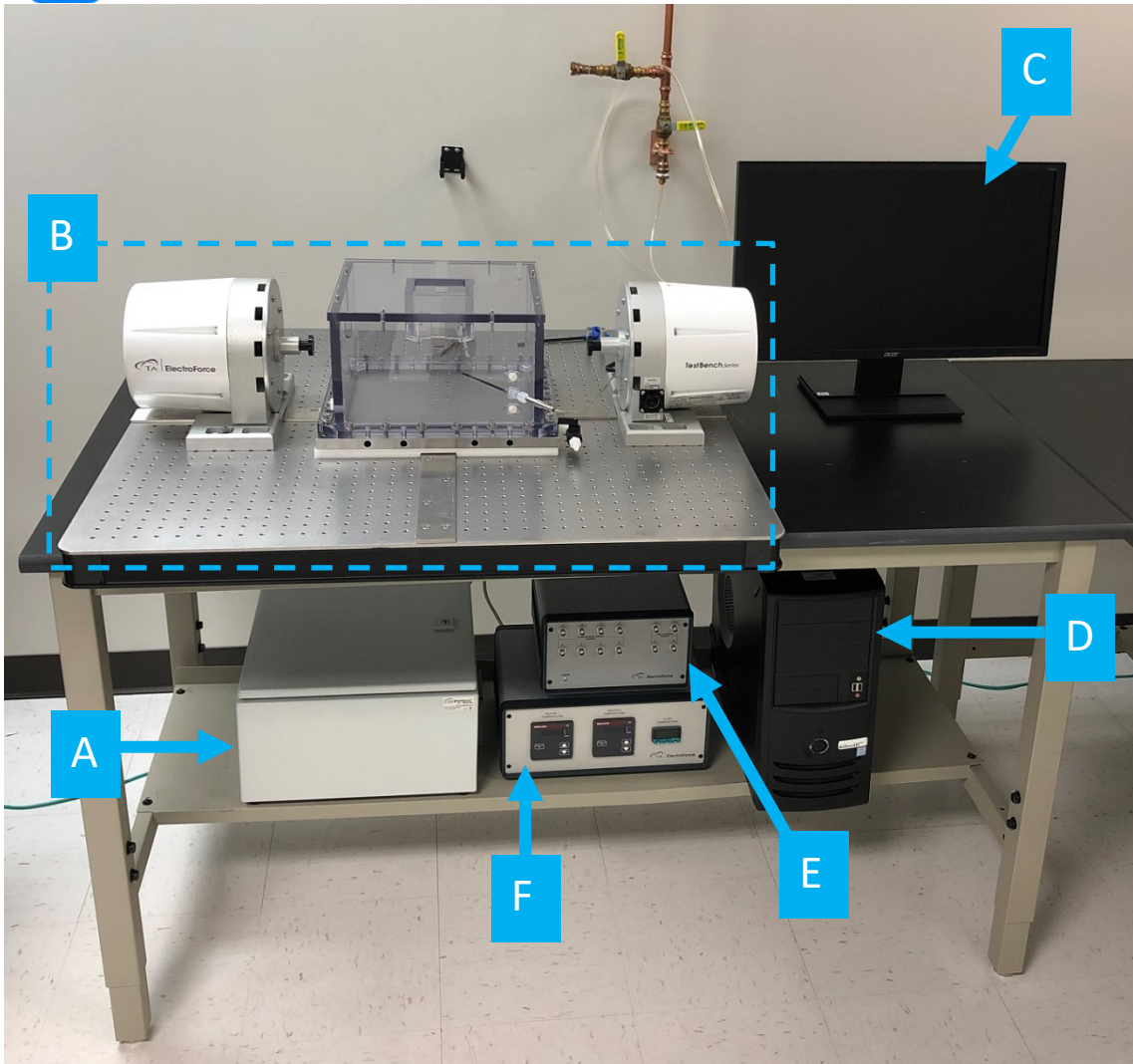
Table width: 2 m (6 ft)

Table depth: 1.2 m (4 ft)

System Components



MAIN SYSTEM COMPONENTS

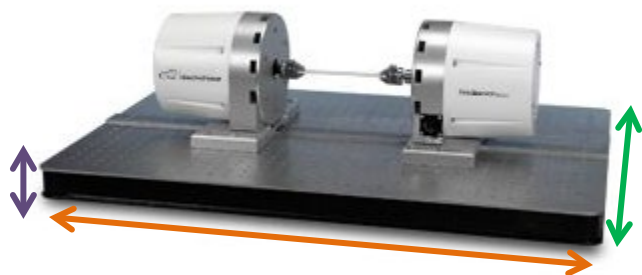


- | | |
|--------------------------|---------------------------------|
| A. Power Supply (Axial) | E. PCI Box |
| B. Test Bench Instrument | F. Heater Controller (Optional) |
| C. Computer Monitor | |
| D. Computer Tower | |

Instrument Measurements



LM1 TESTBENCH – REACTION BASE DIMENSIONS



Height: 51 mm (2 in)

Width: 914 mm (36 in)

Depth: 609 mm (24 in)

Weight: 54 kg (120 lbs)
WITHOUT motor



Weight varies per hardware
configuration and system
options



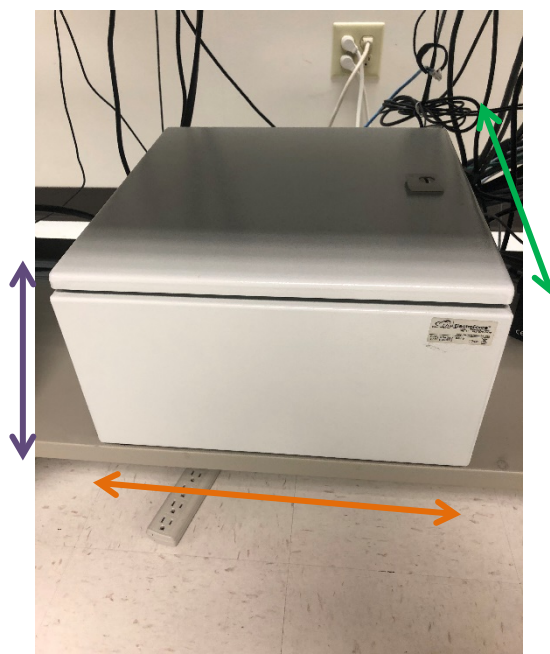
POWER SUPPLY

Height: 230 mm (9 in)

Width: 405 mm (16 in)

Depth: 510 mm (20 in)



Weight: 27 kg (60 lbs)



Utility Requirements



POWER

Item	Requirement
Instrument Power	<ul style="list-style-type: none"> 104–132V, 50/60 Hz, 15A 207–250V 50/60 Hz, 10A Neutral to Ground (NG) voltage max 0.5 volt Safety ground per local regulation
PCI-42, 80, 84 Box Power	<ul style="list-style-type: none"> 104–120V, 50/60 Hz Hz, 10A 207–230V, 50/60 Hz Hz, 6.3A
Power Supply (Optional)	<ul style="list-style-type: none"> 104–120V, 50/60 Hz, 1A 207–230V, 50/60 Hz Hz, 0.5A
Power cords provided	<ul style="list-style-type: none"> 5-15 plug for 120V systems 6-20P plug for 230V systems International: Line power cord provided is based on country <div style="display: flex; justify-content: flex-end; align-items: center; gap: 20px;">   </div>

5-15

6-15P



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






FLUID (FOR BATH)

Item	Requirement
Fluid	DI water or PBS

Site Preparation Checklist



ElectroForce® TestBench Series

	Enough bench space for instrument and computer <input type="checkbox"/> Table width: 2 m (6 ft) <input type="checkbox"/> Table depth: 1.2 m (4 ft)
	Instrument power is <input type="checkbox"/> 104–132V, 50/60 Hz, 15A <input type="checkbox"/> 207–250V 50/60 Hz, 10A
	<input type="checkbox"/> 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.

TA Instruments Offices

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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