



9155 CALIBRATION SYSTEM CONFIGURATION GUIDE



COMPANY NAME
 CONTACT NAME

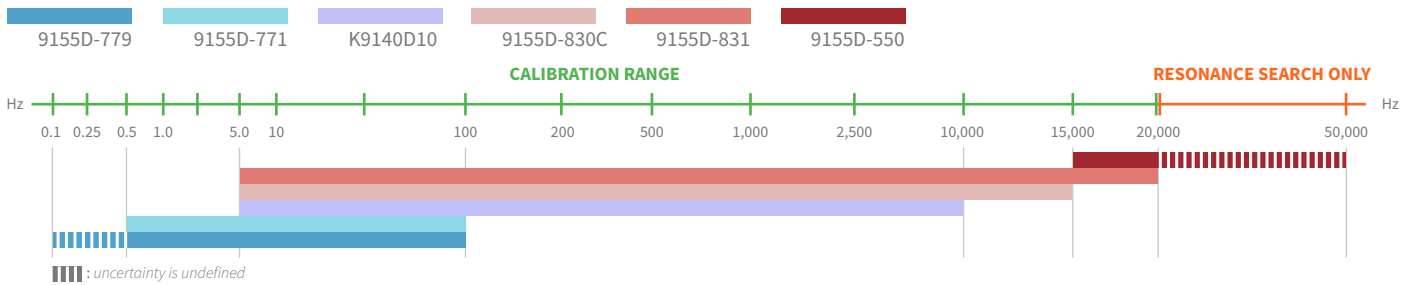
EMAIL
 QUOTE DUE DATE PHONE

1 SELECT SHAKER SYSTEM & EXCITER

9155D Accelerometer Calibration Workstation OR **I'm using my own shaker system**

The base system is turnkey, step sine excited and based on FFT.
 The system allows NIST traceable calibrations.

Use the frequency chart below to help select the 9155D System option(s) that meet your frequency range needs:



2 SENSORS CALIBRATIONS PER YEAR

| | Uniaxial | Triaxial | Total Annual Calibrations |
|-----------------------------|----------------------|----------------------|---------------------------|
| ICP®, IEPE | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| PE, Charge | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Bridge, Piezoresistive | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Capacitive | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Other: <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Total All Types | <input type="text"/> | <input type="text"/> | <input type="text"/> |

I have a list of sensors I can send to The Modal Shop
 I can provide some of our current calibration certificates

3 SELECT SIGNAL CONDITIONING

| ICP® | Charge | Bridge | PR* | Capacitive | Mount Type | Model |
|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|------------|-----------|
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Rack | 9155D-USC |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Desktop | 9155D-427 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Desktop | 9155D-405 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Rack | 9155D-443 |
| <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | Rack | 9155D-442 |

Other Types

*Piezoresistive

4 SELECT ADDITIONAL MEASUREMENTS

- Shock Linearity (20g – 10,000g): 9155D-525
- Pressure – see Page 2, Sections 9A & 9B to provide additional response
- Acoustic – see Page 2, Sections 10A & 10B to provide additional response
- Vibration Meter (Visual Output Meter Cal): 9155D-680
- Velocity: 9155D-600
- Vibration Linearity (40g max): 9155D-501
- Hammer: 9155D-961

5 SELECT USABILITY OPTIONS

- 19" Equipment Rack : 9155D-100
- Automated TEDS: 9155D-400
- Automated Ambient Weather: 9155D-901
- Tool Kit: 9155D-160
- Automated Label Printing : 9155D-350
- Shaker Pedestal: 9155D-120

6 SENSOR DETAILS

Largest Sensor Details:

Max Sensor Mass (in grams)
 Manufacturer
 Model Number

Mounting Configurations:

List all types, using this format ("M" for male, "F" for female) = "1/4-28 F, 5-40 M, etc."

7 CURRENT CALIBRATION SOLUTION

(Select only one from below)

- Return to factory
- Send to Local Laboratory
- Existing System

8 ADDITIONAL NOTES



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9A CHOOSE DYNAMIC PRESSURE

Dynamic Pressure Calibration Systems are available as complete systems or as optional modules for 9155D Systems that also have Vibration, Shock, and/or Acoustics. Use the pressure chart below to help select the complete system or 9155D System option(s) that meet your pressure range needs:

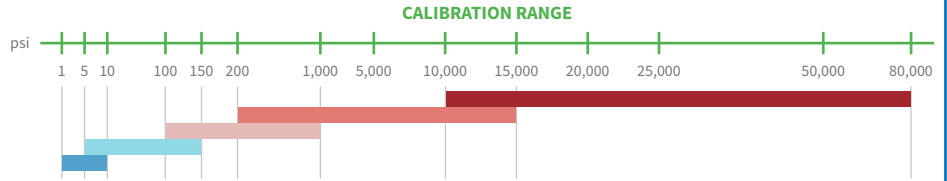
Complete System(s) OR Optional Module(s) for my 9155D System

Choose a System:

- K9905D ■
- K9913C ■
- K9907D ■
- K9903C ■
- K9903C Low REF ■

Choose an Option:

- 9155D-905 ■
- 9155D-913 ■
- 9155D-907 ■
- 9155D-903 ■
- 9155D-903 Low REF ■



9B PRESSURE SENSORS CALIBRATIONS PER YEAR

I have a list of sensors I can send to The Modal Shop

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| | ICP® / IEPE | PE / Charge | Bridge, PR*, and Capacitive | Total Annual Calibrations |
|--|----------------------|----------------------|-----------------------------|---------------------------|
| <5 psi (<34 kPa) | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 5 psi to 150 psi (34 kPa to 1 MPa) | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 100 psi to 1,000 psi (0.7 MPa to 6.9 MPa) | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 200 psi to 15,000 psi (1.4 MPa to 103 MPa) | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 10,000 psi to 80,000 psi (69 MPa to 550 MPa) | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Total All Types | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |

*Piezoresistive

10A CHOOSE ACOUSTICS

- Acoustic Microphone Calibration (Up to 20 kHz) is available as a complete system or as an Optional Module to existing 9155 System with Vibe, Shock, and/or Dynamic Pressure
- Condenser Microphone Calibration (Up to 95 kHz) and Acoustic Calibrators are available on the 9350C System

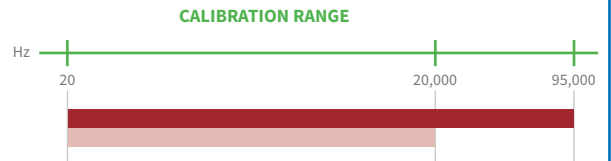
Use the frequency chart below to help select the complete system or 9155D System option(s) that meet your frequency range needs:

Complete System(s) OR Optional Module for my 9155D System

Choose a System:

- 9350C ■
- K9919C ■

9155D-919 ■



10B ACOUSTIC SENSORS CALIBRATIONS PER YEAR

I have a list of sensors I can send to The Modal Shop

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| | ICP® / IEPE Condenser | Electret Array | Externally Polarized | Total Annual Calibrations |
|--|-----------------------|----------------------|----------------------|---------------------------|
| 20 Hz to 20,000 Hz | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| >20,000 Hz | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Sound Sources, Sound Calibrators, and Pistonphones | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| Total All Types | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |