



# The Model 4000 GTI Portable Vibration Shaker with Variable Frequency

## Accuracy

### Acceleration

- 30 Hz to 2KHz +/-3%
- 20 Hz to 10,000 kHz +/-1db

### Velocity

- 30Hz to 2KHz +/-3%

### Displacement

- 30 Hz to 200Hz +/-3%

## Inputs

Accelerometers,  
Velometers, & Non-  
Contact Proximity  
Probes

## Full Scale Output (DC)

DC Recorder Output for  
Internal reference

## Full Scale Range

10 Hz-100Hz  
101 Hz-1 KHz  
1.1 KHz-10KHz  
Transducer mass can  
effect frequency full scale

## Environmental

### Power Requirements

Internal Batteries

- 12V, 4 Ampere Hour

### AC Power

- 105 to 265 V, 47 to 440Hz

### Temperature

- 0° to 50°C

### Size

- 1 2" X 7" X 1 2"

### Weight

- 20# (40# shipping weight)

## STANDARD FEATURES

The Model 4000 is a complete, self contained, portable vibration shaker / calibrator. Some of the largest machinery manufacturers have standardized on the 4000 for their field service forces.

The Model 4000 Portable Vibration Shaker is a portable, battery operated calibration reference instrument that is **ideal for testing field mounted vibration transducers, cabling, and related accessories.**

As a **standard feature, each unit is equipped with its own rechargeable power source.** This makes the 4000 an excellent choice for any field calibration work where an extension cord is impractical. An external charger/power supply provides charging and operational current when used in the lab. **To ensure accuracy and the reliability of test readings, the Model 4000 contains an integrated National Institute of Standards and Technology (NIST) traceable reference accelerometer.**

The **Model 4000 GTI Vibration Shaker utilizes a unique suspension that can support sensors that weigh up to 500 grams** without the aid of an external support mechanism.

**Unlike other portable shaker systems, the Model 4000 will allow the user to calibrate nearly all types of seismic transducers, no matter the manufacturer.**

The optional **S4A-1 eddy current probe adapter and dial micrometer** can be used to verify both static and dynamic output, linear range of an individual eddy current probe, or an entire probe system.



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