

2100E11 100 lbf Modal Shaker

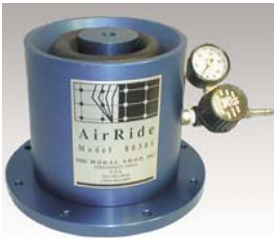
- 100 lbf (440N) electrodynamic shaker
- Through-hole armature with chuck and collet attachment provides simple setup with modal stingers
- Lightweight (33 lb / 15 kg) and trunnion base makes it easy to position and set up the shaker next to the test structure
- 1" stroke and broad 3000 Hz frequency range supply adequate input energy for most modal test applications
- Includes modal stingers, cable, and accessories



The 2100E11 is a lightweight 100 lbf electrodynamic modal shaker.

Modal Test Accessories

- TMS offers all the accessories that structural test labs have learned to count on
- Model 2050A Lateral Excitation Stand ensures proper shaker alignment with test structure
- Model 8030S and 8032S AirRides provide extremely low cut-off frequencies for 'free-free' testing
- Model 2100 series of modal stingers reduces errors in shaker tests due to side loading



Rental Of Test & Measurement Equipment

- Rent sound and vibration transducers or complete systems for short term tests or to add channels
- Many products in this brochure are available for rental
- Rental guards against obsolescence and doesn't require capital expenditure
- Rental payments can apply toward purchase of equipment



Equipment needs for short term tests are easily satisfied with the TMS rental program.

Calibration of Accelerometers & Microphones

- Customizable calibration workstations for accelerometers and microphones
- Shock, resonance, low-frequency, linearity, shunt calibration capability available
- Calibrates ICP®, charge, velocity, piezo-resistive, and capacitive sensors
- Calibrate microphones, preamplifiers and sound sources with the Acoustic Calibration Workstation (Model 9350C)



The 9155C features accurate back-to-back comparison calibration of ICP® and charge mode accelerometers

Structural Test Products and Accessories

What's New!

The Modal Shop, Inc.
"Your One-Stop Sound and Vibration Shop"

- **Structural Test Products**
 - 100 lbf Modal Shaker
 - ICP® Laser Tachometer
 - Multi-channel Modular ICP® Signal Conditioners
 - Pocket sized USB powered dual channel ICP® Signal Conditioner
 - Interface kits for communication with TEDS sensors
 - VibeAlarm™ Vibration Limit Switch
 - Unique products to simplify test set-up

- **Equipment Rental**
 - Expand testing capability on an 'as-needed' basis
 - Benefit from unlimited technical & application support during your rental

- **Calibration**
 - Turnkey laboratory calibration systems for acceleration and acoustic sensors
 - Field calibrators for portability and deployability

- **PCB Group Total Customer Satisfaction Guarantee included with all products**

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ELEKTRONIK
Handelsgesellschaft m.b.H.

LaserTach™ ICP Laser Tachometer



The LaserTach senses the speed of rotating equipment and outputs an analog voltage pulse train for referencing vibration signals to shaft speed.

- Operates with standard ICP® sensor signal conditioning
- Easy to install - 20 inch range in a standard bolt package offers flexibility
- One pulse per revolution eliminates need to oversample all channels for a high frequency tach signal
- Simplifies cable management for dynamic testing of rotating equipment

485B36 Dual Channel IEPE Signal Conditioner



The 485B36 allows quick connection of ICP® sensors to PC sound cards for WAV file recording

- Dual channel ICP® sensor signal conditioner
- Eliminates need for batteries by drawing power from USB port
- Standard BNC input connectors
- Convenient output to PC sound card with stereo jack or to BNC with supplied cable

400B76 TEDS Sensor Interface Kit



Model 400B76 allows you to 'talk' to your TEDS sensors over your PC's USB port.

- Enables communication to TEDS sensors from a Windows PC.
- Supports more TEDS templates, including LMS and IEEE standards, than any other available interface.
- Flexible data decoding engine allows support of new TEDS templates by simply copying files.
- Conversion of templates from IEEE P1451.4 (Version 0.9) to IEEE 1451.4 (Version 1.0)

PulseDriver™ ICP Tachometer Preamp

- Conditions tachometer signal for output to ICP® signal conditioners
- Standard BNC input and output connectors
- Integrated divider circuit compensates for 'N per revolution' pulse patterns
- Operates on standard 4 mA constant current supplies



The PulseDriver allows users to connect either magnetic or optical tachometer pickups to ICP® signal conditioners.

440 Series Multichannel Signal Conditioner



The 440 series of signal conditioners carries on PCB Group's tradition of superior multichannel solutions.

- Low cost/high performance signal conditioning choice for systems with or without TEDS sensors
- Uses PCB and VXI standards for reliable, simplified multichannel cabling
- PC based software controls gain, filtering, TEDS, and bank switching
- Scalable, flexible architecture with proven installations of 1000+ channels per system

SDC002 VibeAlarm™



The front panel LCD display of the SDC002 VibeAlarm provides instant indication of vibration levels.

- Single channel ICP® input
- Programmable digital bandpass filter
- Outputs 4-20 mA signal proportional to RMS energy
- Outputs alert/alarm status via solid state relays
- BNC connector for buffered analog output
- DIN rail mountable