

# Dual-Mode Vibration Amplifier

*For Conditioning Charge, ICP<sup>®</sup>, and TEDS Vibration Sensors*

- **Digitally Set Sensitivity Normalization**
- **Selectable Low and High Pass Filtering**
- **Stores up to Five User-Defined Set-Ups**
- **Integrates to Velocity and Displacement with Frequency Response to 1 Hz**
- **Ultra Low Noise Floor**



The **Model 443B01** Dual-Mode Vibration Amplifier is a multi-function signal conditioner for charge, ICP<sup>®</sup>, and TEDS vibration sensors. In addition, it accepts other dynamic voltage signal inputs. The user benefits by needing and learning only one, versatile instrument, rather than a variety of devices. A user friendly, menu-driven display with keypad, or RS-232 serial communication, controls all set-up parameters. Logical operation adjusts input sensor sensitivity, gain, and charge conversion with four-digit accuracy. Additional features of this microprocessor-based unit include: ultra low noise floor, sensor fault detection, sensor and amplifier overload detection, built-in calibration reference signal, selectable low and high pass filtering, 100 to 240 VAC operation, and selectable English or Metric units. Modular architecture permits installation of multiple units into a rack-mountable chassis.