Model 8000-4225 Two Channel Charge Amplifier

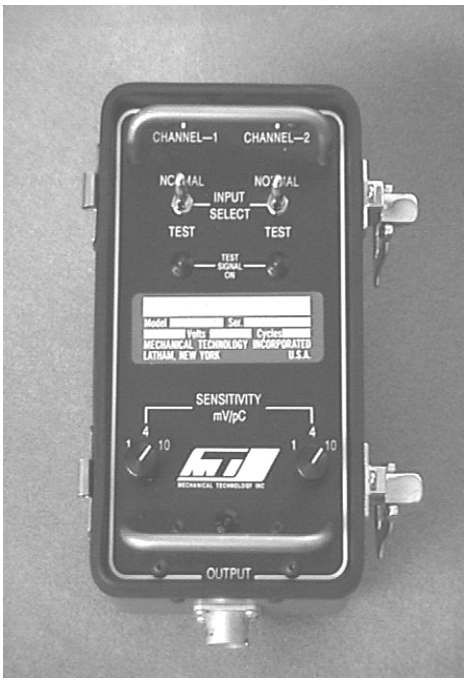
PBS-4100 Balancing System Accessories

The Model 8000-4225 Two Channel Charge Amplifier is used to convert accelerometer charge signals into voltage signals. Converted signals are then easily used by the PBS-4100 family of engine vibration analyzers.

Conversion of signals to voltage-mode provides greater immunity to noise and allows signals to be reliably transmitted over greater distances. The charge amplifier is normally installed at the engine. It is not needed if another charge amplifier is already present (as part of aircraft or test cell equipment) or where velocity probes are used instead of accelerometers.

Features of the Model 8900-4225 include:

- Two channel operation
- Individually settable gains
- Built-in test signal with status lights
- Individual channel test / operation switches
- Remotely powered via PBS cabling
- Weather tight packaging



Model 8000-4225 Charge Amplifier

SPECIFICATIONS:

Model 8000-4225 Charge Amplifier	
Number of Channels	2
Sensitivity Switch settings	1, 4, or 10 mVolts/picocoulomb individually settable for each channel
Input	Full differential
Frequency Range	5-10,000 Hz
Output	Velocity
Dimensions	4 x 7 x 4 inches (10 x 18 x 10 cm)
Test Mode Signal	61.4 Hz test signal equal to 50% of FS output
Weight	3.5 lb (1.6 kg) max.
Cable	Many types available upon request
Temperature / humidity	-7°C to 55°C (20°F to 131°F), 5-95% RH

MTI Instruments has been a leader in rotating machinery technology for over 40 years, developing advanced balancing systems for a wide variety of applications. PBS-4100 Portable Balancing Systems are used around the world by satisfied customers in more than 50 nations for flight-line and test cell use. Call toll-free **1-800-342-2203** to review your testing requirements with one of our applications engineers, and to learn about other benefits of PBS-4100 systems.