# Models P703B
Three Channel Power Unit

## SPECIFICATIONS

### INPUT CHARACTERISTICS
- Voltage to Transducer: 27 VDC
- Current to Transducer, ±20%: 2.4 mA DC
- Maximum Input Voltage: 10 V rms

### OUTPUT CHARACTERISTICS
- Output Impedance (accelerometer attached to input): same as transducer
- Recommended Load Impedance: >100 kΩ

### TRANSFER CHARACTERISTICS
- Frequency Response: same as transducer
- Channels: 3
- Channel Separation: >80 dB

### BATTERY TEST CIRCUIT
- LED Lights: >18 VDC
- Battery Life: >40 hours

### POWER REQUIREMENTS
- Batteries: (3) 9V alkaline

### ENVIRONMENTAL
- Temperature Range: 0 to 55°C

### PHYSICAL CHARACTERISTICS
- Size: 3\" width, 2.4\" height, 4\" depth
- Weight: 0.84 lb
- Connectors:
  - Signal Input: BNC
  - Signal Output: BNC

### FEATURES:
- 3 channels
- Powers three separate 700 Series accelerometers and DC decouples the output
- Battery powered (line adaptor optional)
- Battery condition light
- Uses common 9 VDC transistor batteries
- Can drive up to 50 ft. of cable

### NOTES:
1. 25.2 VDC when using Ni-Cad batteries.
2. For extended operation, the NC3 Ni-Cad Battery Kit should be used (see accessories section).

### OPTIONS:
- Model P703BT for use with Models 733 and 993 triaxial accelerometers.

### ACCESSORIES SUPPLIED:
- (3) 9V alkaline batteries.

### ACCESSORIES AVAILABLE:
- NC3 Ni-Cad battery kit; LA704B (110V) Line Adaptor; LA704B-220 (220V) Line Adaptor; BNC Series adaptors
Model P703B Operating Instructions

Product Features and Connections

Test for Proper Operation

To check the Model P703B for proper operation:

- Use a digital multimeter to verify that the proper voltage and current are available at the transducer connector.
- Substitute an Oscillator for the transducer.
- Follow the connection to the power unit as shown at right.
- The unit should have unity gain.

Test INDICATOR

1. To test batteries, press switch to RIGHT (momentary) position; LED should light.
2. OFF position is with switch in center.
3. To turn unit ON, press to LEFT.

LINE ADAPTOR JACK
Use LA704B Line Adaptor to power unit from line voltage without batteries installed or to charge NiCad batteries.

CAUTION: DO NOT ATTEMPT TO RECHARGE ALKALINES WITH THE LA704B. Alkaline batteries may EXPLODE or leak corrosive fluids.

FOR TECHNICAL ASSISTANCE—
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