

# General purpose power unit

## P704B

### SPECIFICATIONS

#### INPUT CHARACTERISTICS

Voltage to transducer	27 VDC <sup>1</sup>
Current to transducer, $\pm 20\%$	2.4 mA DC

#### OUTPUT CHARACTERISTICS

Output impedance	same as transducer
Recommended load impedance	>100 k $\Omega$
Decoupling capacitor	22 $\mu$ F, 35 VDC

#### TRANSFER CHARACTERISTICS

Frequency response	same as transducer
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#### BATTERY TEST CIRCUIT / POWER REQUIREMENTS

LED lights	>18 VDC
Battery life	>120 hours
Batteries <sup>2</sup>	9V alkaline (3)

#### ENVIRONMENTAL

Temperature range	0° to +55°C
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#### PHYSICAL CHARACTERISTICS

Size (W x H x D)	3 x 2.4 x 4 inches
Weight	0.84 lb
Connectors:	
Signal input	BNC
Signal output	BNC

**Notes:** <sup>1</sup> 25 VDC when using Ni-Cad batteries.

<sup>2</sup> For extended operation, the NC3 Ni-Cad battery kit should be used.

**Accessories supplied:** (3) 9V alkaline batteries

**Accessories available:** NC3 Ni-Cad battery kit; LA704B line adaptor (110V); LA704B-220 line adaptor (220V); BNC series adaptors



### Key features

- Powers most 700 series accelerometers
- Portable and lightweight
- Battery condition light
- Manufactured in an ISO 9001 facility

See reverse for operating instructions.

Note: Due to continuous process improvement, specifications are subject to change without notice.  
This document is cleared for public release.

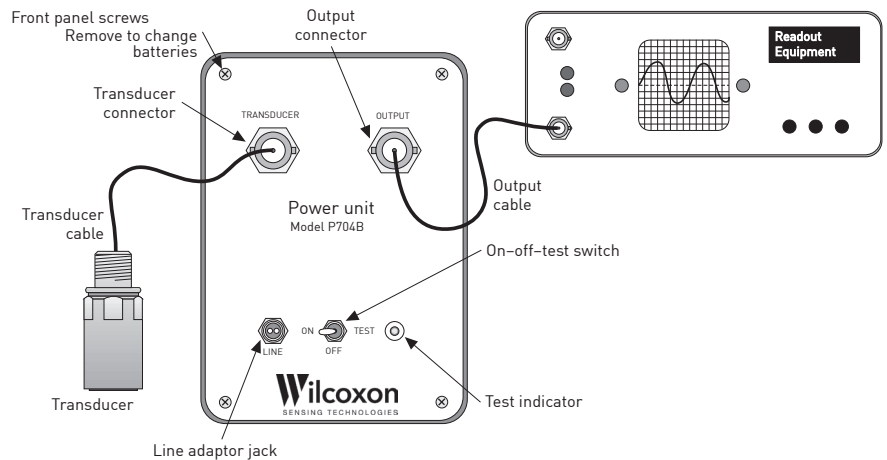
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### Operating instructions

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.

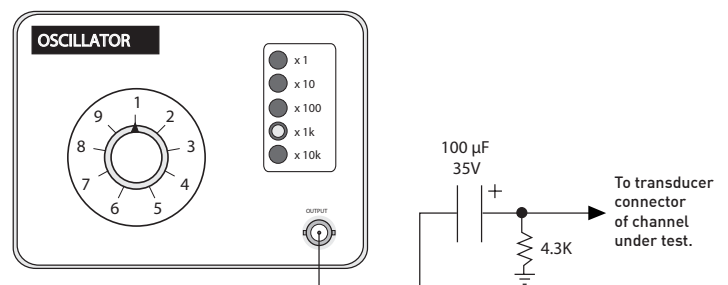
Use LA704B line adaptor to power unit from line voltage without batteries installed or to charge Ni-Cad batteries.



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

### Test 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 again.



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