



Features

- Powers most 700 series accelerometers
- Battery powered (line adaptor optional)
- Portable and lightweight
- Battery condition light
- Manufactured in an approved ISO 9001 facility

General purpose power unit P704B

INPUT CHARACTERISTICS

Voltage to transducer	27 VDC ¹
Current to transducer, ±20%.....	2.4 mA DC

OUTPUT CHARACTERISTICS

Output impedance.....	same as transducer
Recommended load impedance	>100 kΩ
Decoupling capacitor	22 μF, 35 VDC

TRANSFER CHARACTERISTICS

Frequency response	same as transducer
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BATTERY TEST CIRCUIT

LED lights.....	>18 VDC
Battery life	>120 hours

POWER REQUIREMENTS

Batteries ²	9V alkaline (3)
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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"
Weight.....	0.84 lb
Connectors:	
Signal input connector	BNC
Signal output connector	BNC

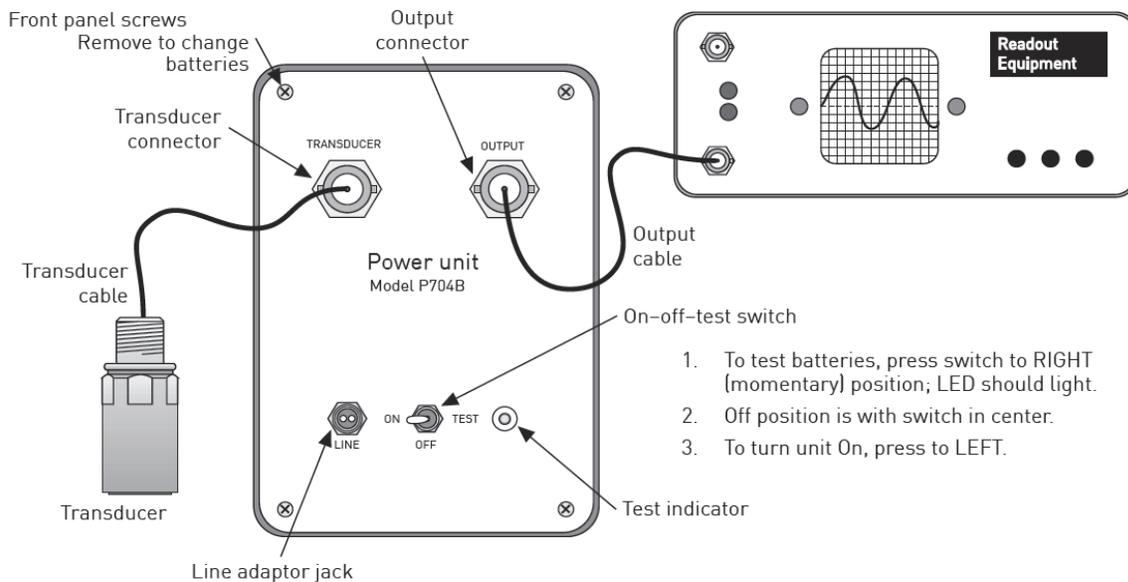
Notes: ¹ 25 VDC when using NiCad batteries.

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

Accessories supplied: 9V alkaline batteries (3)

Accessories available: NC3 Ni-Cad battery kit; LA704B line adaptor (110 V); LA4B-220 line adaptor (220 V); BNC series adaptors

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.

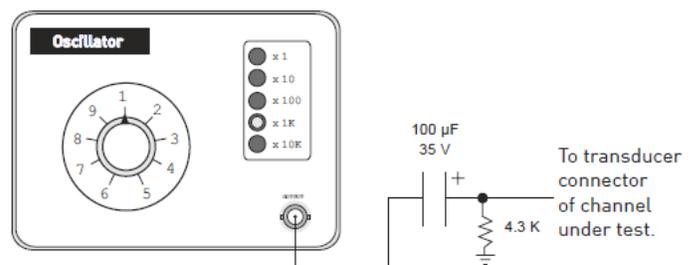
Use LA704B line adaptor to power unit from line voltage without batteries installed or to charge Ni-Cad batteries.

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 gain.



Due to continued research and product development, Wilcoxon Sensing Technologies reserves the right to amend this specification without notice. This document is cleared for public release.

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