



Grommes~Precision Precision Electronics



The AXIOM 250

1.5 Input Channel Mixer Amplifier: 250 Watts of Continuous RMS Power
AX250

FEATURES

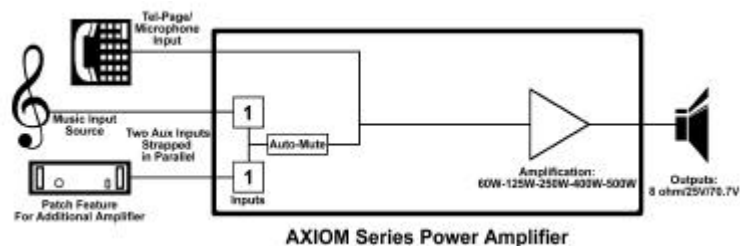
- Independent 600 ohm/Tel-Page Input
- Automatic Voice Activated Hi-Z Muting (Defeatable)
- Built Tough: Multiple Protections Including Relay, Short Circuit, & A/C Circuit Breaker
- Heavy Duty Power Supply Designed for Continuous Operation
- 25V & 70.7 Built-in Output Transformer.
- Toroidal Output Power Transformer which Reduces Weight and Noise
- Slim 2U Rack Design
- Rack Mount Standard
- Convection Cooled—Reliable “No Maintenance” Design
- 5 Year Warranty & 30 Day Money Back Guarantee

Living up to it's name, the **AXIOM 250** provides the solid foundation in which to build an exceptional sound system. At only 2U high, the **AXIOM 250** is a high fidelity commercial audio amplifier that pumps 250 watts of continuous RMS power direct into 4-8 ohm or transformer isolated 25V and 70.7V lines.

Engineered for all-in-one telephone paging solutions, the **AXIOM 250** includes a balanced 600 ohm/Tel-Page input (tamper resistant) that is capable of muting two aux inputs (defeatable), which are strapped in parallel. It's packed with safeguards to ensure long-life, including: short circuit, peak overload, current limiting, thermal runaway, and output relay (no more “pop” noises when turned on). Plus, with over a half-century of experience in the industry, **Grommes~Precision** backs the **AXIOM 250** with its unbeatable expertise and Assurance Pledge: a **5 year warranty** and a **30 day money back guarantee**.

An outstanding sound system needs an outstanding amplifier at its core. The **AXIOM 250**, which combines power, performance, protection, and dependability is the **AXIOM** on which to build your outstanding sound system.

	AXIOM 250
POWER OUTPUT RMS	250W
MIXING CHANNELS	1.5
DISTORTION @ RPO	≤0.3%
OUTPUTS	8 ohm / 25V-70.7V LINE
FREQUENCY RESPONSE DIRECT	+/-1dB 20-20kHz
LINE	+/-1dB 50-15kHz
INPUTS	2-AUX IN PARALLEL; 1-600 ohm/TEL-PAGE
RACK UNITS	2U
DIMENSIONS	19"Wx3.5"Hx11"D
WEIGHT	26LBS



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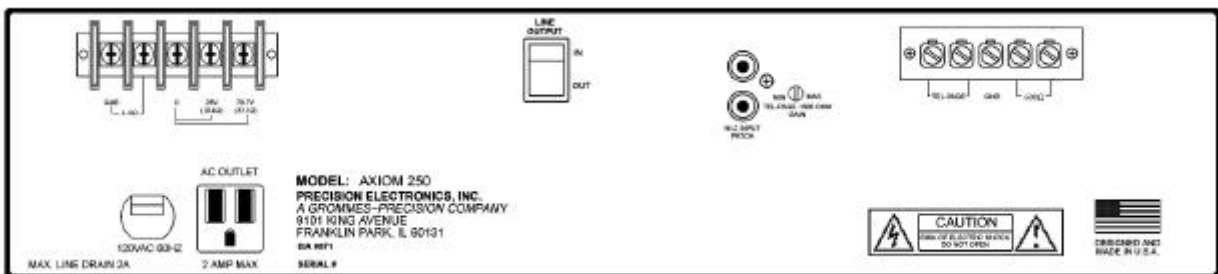
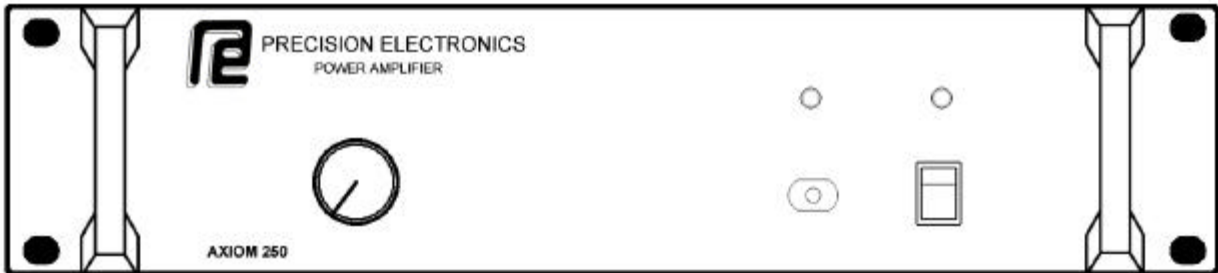
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AXIOM 250

Architects Specifications

The power amplifier shall be a Grommes-Precision Electronics, Inc. model AXIOM 250. The power amplifier shall provide 250 watts of continuous, monaural RMS power into a direct coupled 8 ohm, 25V, or 70.7V lines. The 25V and 70.7V output shall be supplied through a fully isolated output transformer. Total harmonic distortion at rated output shall be less than or equal to 0.3%. The frequency response for 8 ohm output shall be 20Hz to 20kHz, +0 to -1 dB. The frequency response for 25V and 70.7V output shall be 50Hz to 15kHz, +0 to -1dB. Hum and noise shall be at least 90dB below rated output unweighted.

The inputs shall be: a Tel-Page, a 300 ohm, and two high impedance inputs, strapped in parallel.

The input sensitivity required to receive full rated output shall be: Tel-Page - 50mV, 600 ohm - 0.50V, and Hi-Z - 0.50V. The input impedance shall be Tel-Page - 600 ohm, 600 ohm - 600 ohm, and Hi-Z - 10K ohm.

The front panel shall include a power indicator, power switch, peak level indicator, circuit breaker reset plunger, gain control, and be rack mounted as standard.

The back panel shall include input connectors, screw terminals, for both the Tel-Page and 600 ohm inputs, phono (RCA) connectors for both Hi-Z inputs. Output connectors shall be screw barrier strip.

An output switch shall connect the output transformer in circuit for 25V and 70.7V line outputs and also switch in a low cut filter that begins to roll-off at 120 Hz. Also a 2 ampere maximum convenience outlet shall also be on the back panel.

The power amplifier shall be available in either 120VAC 60Hz or 240 VAC 50Hz versions (add DV to the model). The maximum power consumption of the unit shall be 720W.

The unit shall measure 19"W x 3.5"H x 12"D (48.2cm x 8.8cm x 30.5cm). The unit shall weigh 26 lbs (11.8 kg). The unit shall include a full 3 year warranty be designed and manufactured in the United States of America.



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