

AMP300

Amplifiers for Permanent Installation



FEATURES

- 300-watts
- Microphone, Telephone and Program Inputs
- Use in 25/70.7 -volt and 4/8-ohm Systems
- Program Muting Circuitry
- Separate Treble and Bass Tone Controls

DESCRIPTION

The Penton Audio AMP 300 was designed for use in permanent commercial sound installations. The AMP 300 is conservatively rated at 300-watts RMS into 25-volt, 70.7-volt, 4-ohm and/or 8-ohm loads.

Features include separate treble and bass controls, microphone, telephone and program input with built-in program-muting circuitry. Inputs and outputs are via dependable screw terminals, and RCA jacks.

It rests on four durable cushioned pads and is finished in black with easy-to-read, white-on-black knobs. Output protection consists of current limiting, transient suppression diodes and a fuse. The unit ships with a 16-gauge CRS chassis with detachable power cord, 6' in length.

APPLICATION

The AMP 300 was designed with the accurate reproduction of voice announcement, paging and background music in mind. It is ideally suited for applications such as restaurants, country clubs, halls, sports venues, factories, retail stores, warehouse, churches, transportation facilities and other public areas.

The program section receives stereo input from cassette recorders, CD players, TVs or broadcast transmission and reproduces it in monaural. An aux RCA jack is provided to accept post preamplifier sources.



SPECIFICATIONS

POWER OUTPUT (RMS)
300 Watts

DISTORTION:
Less Than 0.3% at Rated Output

FREQUENCY RESPONSE
Program: 20-20kHz \pm 1dB

HUM AND NOISE (BELOW -44 DBM)
Program Input: -75 dB
Telephone Input: -75 dB
Microphone Input: -55 dB

GAIN
Program Input: 55 dB
Telephone Input: 55 dB
Microphone Input: 107 dB

MUTING
Microphones: Mic 1 VOX Priority over Aux 1 and Aux 2

SENSITIVITY CONTROL:
Aux 1 and Aux 2 and Microphone on front panel.

INPUT AND OUTPUT CONNECTION:
Aux 1 and Aux 2: RCA
Mic/Tel : Screw Terminal
Output: screw terminal

MOUNTS:
Four Cushioned Pads (Provided) or Rack-Mount using attached ears

POWER SUPPLY:
120 volts

SUPPLIED AC OUTLET:
One Grounded 120-volt (300 watts maximum)

FUSE PROTECTION

ADJUSTMENT KNOBS:
Plastic -Black Trimmed in White

HOUSING MATERIAL:
Cold Rolled Steel

FINISH:
Black

DIMENSIONS, INCH (MM):
19" W x 3.5" H x 11" D

NET WEIGHT LBS (KGS)
AMP60: 26 lbs

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AMP 300

ARCHITECTS' AND ENGINEERS'
SPECIFICATIONS:

Unit shall be Penton Audio USA Model AMP 300 amplifier or approved equal. Outputs shall be via screw terminals. 600-ohm unbalanced telephone inputs shall also be via screw terminals. The Program input shall be via RCA connectors with a separate RCA aux output/input connector included for post preamplifier input.

Preamplifier section shall include built-in program input muting circuitry for the microphone and telephone inputs. It shall also contain bass and treble tone controls mounted on the front panel.

Cold-rolled steel chassis shall be finished in black, have an attached 6' long, SVT 18-3 type cable, grounded for North America and a 330W (maximum, grounded 120 VAC socket. It shall measure a maximum of 19" wide, 3.5" high and 11" deep. Unit shall be furnished with four cushioned pads.

(The AMP300 shall be rated at 300 watts RMS into 4-ohm, 8-ohm, 25-volt and 70.7-volt loads.)

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