

PSIDEX AUDIO PGP1A PRE-AMPLIFIER



DESCRIPTION

The Psidex Audio Laboratory PGP- 1A is a vacuum tube based microphone pre-amp and program line amplifier designed to provide solid, robust audio from any low impedance microphone ranging from low output ribbon to high output condenser.

A 30 dB input attenuator is provided to allow using the unit as a bridging line amplifier, general purpose gain block or mixing amplifier.

FEATURES

- Gain switch sets gain for 30, 40, 50 and 60 dB gain.
- Output level control allows setting output from zero to +6 dB above switch setting.
- A 30 dB input pad permits use with high level inputs and increases input Z.
- Output phase reversal switch.
- Output termination switch.
- Standard XLR 3 pin input- output connectors.
- Additional front mounted ¼” input jack for extra versatility.
- VU meter switch for +4 dB, +10 dB calibration or off.
- Mic phantom power switch interlocked with input pad switch.
- Very large input and output transformers for clean low end.
- Regulated HV and LV power supplies.
- High quality polypropylene capacitors.
- Mil spec Teflon wiring.
- Tubes (2) recessed, replaceable from rear.



TECHNICAL DATA

Gain	<ul style="list-style-type: none">• 36,46, 56, 66 Db maximum
Distortion	<ul style="list-style-type: none">• 0.008% @ +10 dBm, terminated at 600 ohms
Noise, Wideband 5 Hz-30 kHz	<ul style="list-style-type: none">• -87 dB below +10 output for 30 dB gain• -87 dB below +10 output for 40 dB gain• -80 dB below +10 output for 50 dB gain• -70 dB below +10 output for 60 dB gain
Noise, A Weighted	<ul style="list-style-type: none">• -92 dB below +10 output for 30 dB gain• -92 dB below +10 output for 40 dB gain• -90 dB below +10 output for 50 dB gain• -80 dB below +10 output for 60 dB gain
Frequency Response	<ul style="list-style-type: none">• 10 Hz to 45 kHz +/- 1 dB
Input- Output Phase Shift	<ul style="list-style-type: none">• <13 deg. lag @ 20 kHz
Maximum Output Level	<ul style="list-style-type: none">• +26 dBm terminated 600 ohms
Input Impedance	<ul style="list-style-type: none">• 250 ohms balanced, input pad OUT
Input Impedance	<ul style="list-style-type: none">• 10k balanced, input pad IN
Output Impedance	<ul style="list-style-type: none">• 600 ohms nominal
Phantom Mic. Power	<ul style="list-style-type: none">• +48 volts via 2x 6.8k
Internal Supply Voltages	<ul style="list-style-type: none">• Plate 300 Volts Regulated• Heater 12.6 Volts Regulated
Tubes	<ul style="list-style-type: none">• 12AX7 (1), 12AT7 (1)

GENERAL

Mains Supply	<ul style="list-style-type: none">• 108-130 or 220- 250 volts Ac, 50/60 Hz.
Mains Selection	<ul style="list-style-type: none">• Internal Jumpers.
Ac Power, V.A	<ul style="list-style-type: none">• 17.3
Power Inlet	<ul style="list-style-type: none">• Standard EIA 3 wire.
Physical Size	<ul style="list-style-type: none">• 2U EIA panel, 3.5 x 19 inches.• Depth 9.5 inches.
Weight	<ul style="list-style-type: none">• 8.5 pounds.

V4.1 2020

The PGP-1A is sold with a one year warranty. Replacement or repair at the option of PSIDEX Design and Product specifications may change without notice to maintain quality and performance.