

Rated Output Voltage*	
from 20Hz-20KHz into instrument load: from 20Hz-20KHz into IHF load:	0.75 Volts RMS. 0.75 Volts RMS.
Voltage Gain*	
	5.54 ± 2% or 14.87 ± 0.2dB.
Frequency Response	
from 1-60 Volts RMS into instrument load: from 1-30 Volts RMS into IHF load:	(-0.2dB) 20 Hz, 20 KHz. (-3dB) 5 Hz, 140 KHz. (-0.2dB) 20 Hz, 20 KHz. (-3dB) 5 Hz, 120 KHz.
Slew Rate	
Vout=36 Volts peak-to-peak of square-wave signal, F=10KHz:	30 Volts per microsecond
Rise Time	
Vout=36 Volts peak-to-peak of square-wave signal, F=10KHz:	1 microsecond
Total Harmonic Distortion from 20 Hz - 20 KHz	
Vout = 2 Volts RMS into instrument load: Vout = 60 Volts RMS into instrument load: Vout = 2 Volts RMS into IHF load: Vout = 30 Volts RMS into IHF load:	no more than 0.03% no more than 1% no more than 0.03% no more than 1%
IM Distortion (60Hz:7KHz: 4:1) SMPTE:	
Vout = 2 Volts RMS into instrument load: Vout = 60 Volts RMS into instrument load: Vout = 2 Volts RMS into IHF load: Vout = 30 Volts RMS into IHF load:	no more than 0.03%. no more than 1%. no more than 0.03%. no more than 1%.
Inputs	
Unbalanced	gold plated single-ended RCA connector.
Input Sensitivity*	
Vout = 0.75 Volts RMS into instrument load: Vout = 0.75 Volts RMS into IHF load:	0.135 Volts RMS ± 2%. 0.135 Volts RMS ± 2%.
Input Impedance	
	51 KOhms.
Outputs	
Unbalanced: Balanced:	gold plated single-ended RCA connectors. 3-pin gold plated XLR connectors Pin assignment: pin 1 = signal ground; pin 2 = non-inverting input (+); pin 3 = inverting input (-).
Corrected Output Impedance	
	typically 130 Ohms.
Noise	
signal-to-noise ratio, below 2 Volts RMS output, unweighted	better than 82 dB.
Operating Temperature	
	-4 to +104 degrees Fahrenheit (-20 to +40 degrees Celsius) ambient.
Power Supply	
nominal line voltage: Input voltage range:	100-240 Volts, 50/60Hz. ±10%. One power transformer, two vacuum tube rectifiers, one filter choke, one high-speed vacuum tube voltage regulator, one solid-state analog non-switching voltage regulator. AC voltage intensively filtered by special RFI power line filter.
Front/Rear Panel Controls: Preamplifier	
Front Panel Controls:	<ul style="list-style-type: none"> • OUTPUT LEVEL controls (separate for left and right channels). • SELECTOR switches (separate for left and right channels). • MONITOR switches (separate for left and right channels). • MUTING switch. • ABSOLUTE PHASE switch.
Rear Panel Connectors and Controls:	<ul style="list-style-type: none"> • Four pairs of INPUT CONNECTORS RCA for line inputs and tape (play). • One pair of OUTPUT CONNECTORS RCA for tape (record) • One pair of OUTPUT CONNECTORS RCA (single-ended output). • One pair of gold-plated XLR CONNECTORS (balanced output). • One XLR CONNECTOR (6 pins, gold-plated) for connecting the power supply cable.
Front/Rear Panel Controls: Preamplifier Power Supply	
Front Panel Controls:	<ul style="list-style-type: none"> • POWER switch. • OUTLETS switch. • REMOTE 1 turn-on/off switches for LAMM power amplifiers. • REMOTE 2 turn-on/off switches for LAMM power amplifiers. • Four LED controls.
Rear Panel Connectors and Controls:	<ul style="list-style-type: none"> • IEC 320 POWER INLET (3 lug). • Two AC OUTLETS, switched. • One XLR CONNECTOR (6 pins, gold-plated) for connecting the power supply cable. • Two REMOTE CONTROL plugs. • EARTHING POST (gold plated).
Features	
	<p>Pure class A fully balanced MOS-FET zero feedback design. Power supply utilizes vacuum tube rectifier, choke contained filter and high speed vacuum tube voltage regulator.</p> <p>High-current drive capability, in combination with unique single-ended class A circuitry, guarantee the preamplifier to drive any cable and any connected real world load,while maintaining its practically inaudible sonic signature.</p> <p>This design is unique to LAMM INDUSTRIES, INC.</p>
AC voltage selector:	100/120/220/230/240 Volts, internally switchable.
Remote Control:	Special built-in circuit enables the remote turn on/off of LAMM power amplifiers. Available remote link cable coordinates the remote functions of two or more amplifiers.
Safety:	<p>Unique electronic protection circuit enables muting of the outputs until the preamplifier is stabilized after a turn-on, as well as functioning of the preamplifier in a "muting" mode during operation and automatic switching to muting in case the AC line drops or is interrupted.</p> <p>Vacuum tube voltage regulator overload protection: 0.125 Amps slo-blo fuse, internally mounted.</p> <p>AC voltage fuses: 2 Amps slo-blo for 100/120 Volts 1 Amp slo-blo for 220/230/240 Volts</p>
General	
Power Consumption:	Typically 95 Watts.
Burn-in Time at Factory:	Minimum 72 hours.
Recommended Burn-in Time in End-user's System:	Minimum 200 hours.
Warm-up time:	Minimum 45 minutes.
Unit dimensions (preamplifier and power supply have the same dimensions): Crate dimensions:	4.5 inches high x 19 inches wide x 13.875 deep + 1.375 inches for front handles. 23" x 19" x 10" (58.42cm x 48.26cm x 25.4cm)
Unit weight preamplifier: power supply: Shipping weight preamplifier: power supply:	15.42 Lbs (7 Kg). 19 Lbs (8.63 Kg). 34.6 Lbs (15.7 Kg). 39 Lbs (17.71 Kg)
Tube Complement:	<ul style="list-style-type: none"> • one 12AX7/ECC83, voltage regulator tube; • one 6C19P, voltage regulator tube; • one 5651A, voltage reference tube • two 12AX3, rectifier tubes.