

Models PRM831/LxT1/LxT1L/LxT2/LxT2

LxT and 831 Preamplifiers - Comparison

Preamplifier Comparison Table

Model Number	PR831	PRMLxT1	PRMLxT1L	PRMLxT2	PRMLxT2L
Frequency Response	5Hz-126kHz	4Hz-40kHz	4Hz-40kHz	2.5Hz-40kHz	4Hz-20kHz
Attenuation	0.08dB	22.8dB	1.2dB	14.6dB	1.2dB
Preamp Sensitivity		-48.8dB re 1V/ μ Pa	-27.2dB re 1V/ μ Pa	-40.2dB re 1V/ μ Pa	-33.9dB re 1V/ μ Pa
Input Impedance	10G Ω // 0.16pF	10G Ω // 5.3pF	10G Ω // 3pF	10G Ω // 40pF	10G Ω // 3pF
Output Impedance	50 Ω	50 Ω	50 Ω	50 Ω	50 Ω
Max. O/P Voltage	28Vpp	2.8Vpp	2.8Vpp	2.8Vpp	2.0Vpp
Max. O/P Current	12mA peak	10mA peak	10mA peak	10mA peak	10mA peak
Distortion	Harmonics < -70dBC	Harmonics < -60dBC	Harmonics < -67dBC	Harmonics < -60dBC	Harmonics < -62dBC
Output Slew Rate	2V/ μ S	2V/ μ S	2V/ μ S	2V/ μ S	2V/ μ S
Electronic Noise	- 1.6 μ V A wtg - 3.5 μ V Flat (20Hz-20kHz)	- 1.1 μ V A wtg - 1.6 μ V Flat (20Hz-20kHz)	- 1.8 μ V A wt - 3.2 μ V Flat (20Hz-20kHz)	- 1.0 μ V A wt - 1.4 μ V Flat (20Hz-20kHz)	- 1.8 μ V A wt - 13.2V Flat (20Hz-20kHz)
Power Supply Voltage	15V-36V	6V-15V	6V-15V	6V-15V	6V-15V
DC Output Level	0.5 x P.S.V	0.5 x P.S.V	0.5 x P.S.V	0.5 x P.S.V	0.5 x P.S.V
Power Supply Current	1.9mA	1.3mA	1.3mA	1.3mA	1.3mA
Temperature Sensitivity	< \pm 0.05dB (-40° to 176°)F	< \pm 0.05dB (-14° to 122°)F	< \pm 0.05dB (-14° to 122°)F	< \pm 0.05dB (-14° to 122°)F	< \pm 0.05dB (-14° to 122°)F
Humidity Sensitivity	< \pm 0.05dB (0-90%RH)	< \pm 0.05dB (0-90%RH)	< \pm 0.05dB (0-90%RH)	< \pm 0.05dB (0-90%RH)	< \pm 0.05dB (0-90%RH)
Dimensions	0.5" dia x 2.88" L	0.5" dia x 2.88" L	0.5" dia x 2.88" L	0.5" dia x 2.88" L	0.5" dia x 4.92" L
Compatibility	LD377B02 or any electret microphone (\approx 50mV/Pa)	LD 377B02 or any electret microphone (\approx 50mV/Pa)	LD 377B02 or any electret microphone (\approx 50mV/Pa)	LD ACD 7052 or any electret microphone (\approx 50mV/Pa)	LD ACO 7052 or any electret microphone (\approx 20mV/Pa)

Total Customer Satisfaction Guaranteed

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