

Model Number 376A31	PHANTOM POWER MICROPHONE SYSTEM				Revision: B ECN #: 48449	
Performance		ENGLISH	SI	OPTIONAL VERSIONS		
Nominal Microphone Diameter		1/4"	1/4"	Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.		
Frequency Response Characteristic(at 0° incidence)		Free-Field	Free-Field			
Sensitivity		2.0 mV/Pa	2.0 mV/Pa			[3]
Sensitivity(± 3 dB)		-54 dB re 1 V/Pa	-54 dB re 1 V/Pa			[3]
Frequency Range(+2 / -3 dB)		4 to 100,000 Hz	4 to 100,000 Hz			
Frequency Range(± 2 dB)		5 to 80,000 Hz	5 to 80,000 Hz			
Frequency Range(± 1 dB)		7 to 12,500 Hz	7 to 12,500 Hz			
Lower Limiting Frequency(-3 dB)		0.75 to 4.0 Hz	0.75 to 4.0 Hz			
Inherent Noise		40 dB(A) re 20 µPa	40 dB(A) re 20 µPa			[4][2]
Dynamic Range(3% Distortion Limit)		165 dB re 20 µPa	165 dB re 20 µPa			[2]
Environmental						
Temperature Range(Operating)		-40 to +149 °F	-40 to +65 °C			
Temperature Coefficient of Sensitivity(+14 to +149°F (-10 to 65°C))		0.003 dB/°F	0.006 dB/°C	[2][3]		
Static Pressure Coefficient		-0.009 dB/kPa	-0.009 dB/kPa	[2][3]		
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)		± 0.001 dB/%RH	± 0.001 dB/%RH	[3]		
Influence of Axial Vibration(0.1g (1 m/s²))		60 dB re 20 µPa	60 dB re 20 µPa	[2]		
Electrical						
Polarization Voltage		0 V	0 V	[1]		
Current Draw		6.5 mA	6.5 mA	[2]		
Maximum Output Voltage		± 10 Vpk	± 10 Vpk		SUPPLIED ACCESSORIES: Model 079A49 Phantom power preamplifier holder (1) Model 64443-01 Quarter inch adaptor (1) Model 64444-01 Half inch to quarter inch adaptor (1) Model ACS-42 Calibration of microphone with preamplifier (1)	
Output Impedance		<50 Ohm	<50 Ohm			
Physical						
Housing Material		Stainless Alloy	Stainless Alloy			
Venting		Rear	Rear			
Electrical Connector		3-Pin XLR	3-Pin XLR			
Mounting Thread(Grid)		0.25 - 60 UNS	0.25 - 60 UNS			
Size (Diameter x Height)(with grid)		0.79 in x 6.85 in	20.1 mm x 174.0 mm			
Weight		4.96 oz	140.7 gm	[2]		
						
All specifications are at room temperature unless otherwise specified. In the interest of constant product improvement, we reserve the right to change specifications without notice. ICP® is a registered trademark of PCB Group, Inc.						
				Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com		
3425 Walden Avenue, Depew, NY 14043						
Entered: LK		Engineer: MJN		Sales: MV	Approved: NJF	
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