

Model Number 376B02	ICP MICROPHONE SYSTEM				Revision: C ECN #: 47338
Performance		ENGLISH	SI	OPTIONAL VERSIONS	
Nominal Microphone Diameter		1/2"	1/2"	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		50 mV/Pa	50 mV/Pa		
Sensitivity(± 1.5 dB)		-26 dB re 1 V/Pa	-26 dB re 1 V/Pa		
Frequency Range(± 2 dB)		3.75 to 20,000 Hz	3.75 to 20,000 Hz		
Frequency Range(± 1 dB)		7 to 10,000 Hz	7 to 10,000 Hz		
Lower Limiting Frequency(-3 dB)		1.0 to 3.0 Hz	1.0 to 3.0 Hz		
Inherent Noise(Linear)		<18.5 dB re 20 µPa	<18.5 dB re 20 µPa		
Inherent Noise		<16.5 dB(A) re 20 µPa	<16.5 dB(A) re 20 µPa		
Dynamic Range(3% Distortion Limit)		>135 dB re 20 µPa	>135 dB re 20 µPa		
TEDS Compliant		Yes	Yes	NOTES: [1] Prepolarized [2] Typical. [3] re 250 Hz [4] TEDS Capable Digital Communication, compliant with IEEE 1451.4 [5] Venting through Preamp. [6] See PCB Declaration of Conformance PS076 for details.	
Environmental					
Temperature Range(Operating)		-40 to +158 °F	-40 to +70 °C		
Temperature Coefficient of Sensitivity(+14 to +158°F (-10 to +70°C))		0.005 dB/°F	0.009 dB/°C		
Static Pressure Coefficient		-0.013 dB/kPa	-0.013 dB/kPa		
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)		± 0.001 dB/%RH	± 0.001 dB/%RH		
Influence of Axial Vibration(0.1g (1 m/s²))		63 dB re 20 µPa	63 dB re 20 µPa		
Electrical					
Polarization Voltage		0 V	0 V		
Excitation Voltage		20 to 32 VDC	20 to 32 VDC		
Constant Current Excitation		2 to 20 mA	2 to 20 mA		
Output Bias Voltage		10 to 14 VDC	10 to 14 VDC		
Maximum Output Voltage		± 8 Vpk	± 8 Vpk		
Output Impedance		<50 Ohm	<50 Ohm		
Physical				SUPPLIED ACCESSORIES: Model ACS-63 Calibration (with TEDS) of Precision Condenser Microphones and Preamplifiers together (mated pair). (1)	
Housing Material		Stainless Alloy	Stainless Alloy		
Venting		Rear	Rear		
Electrical Connector		10-32 Jack	10-32 Jack		
Mounting Thread(Grid)		0.5 - 60 UNS	0.5 - 60 UNS		
Size (Diameter x Height)(with grid)		0.52 in x 1.85 in	13.2 mm x 47.0 mm		
Size (Diameter x Height)(without grid)		0.50 in x 1.81 in	12.7 mm x 46.0 mm		
Weight		0.41 oz	11.6 gm		
				Entered: LK Engineer: MT Sales: MV Approved: MT Spec Number:	
				Date: 10/20/2017 Date: 10/20/2017 Date: 10/20/2017 Date: 10/20/2017 61570	
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.		 3425 Walden Avenue, Depew, NY 14043		Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com	