


Model Number <b>377A07</b>	<b>PRECISION CONDENSER MICROPHONE</b>			Revision: NR ECN #: 44086					
<b>Performance</b> Nominal Microphone Diameter Frequency Response Characteristic(at 0° incidence) Open Circuit Sensitivity Open Circuit Sensitivity(± 1.5 dB) Frequency Range(± 1 dB) Frequency Range(± 2 dB) Lower Limiting Frequency(-3 dB) Resonant Frequency(90° Phase Shift) Inherent Noise(Linear) Inherent Noise	<u>ENGLISH</u> 1/2" Free-Field 50 mV/Pa -26 dB re 1 V/Pa 0.1 to 10,000 Hz 0.07 to 20,000 Hz 0.01 to 0.05 Hz 10,400 Hz 15 dB re 20 µPa 14.5 dB(A) re 20 µPa	<u>SI</u> 1/2" Free-Field 50 mV/Pa -26 dB re 1 V/Pa 0.1 to 10,000 Hz 0.07 to 20,000 Hz 0.01 to 0.05 Hz 10,400 Hz 15 dB re 20 µPa 14.5 dB(A) re 20 µPa		<b>OPTIONAL VERSIONS</b> Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.					
Dynamic Range(3% Distortion Limit) Standards Designation(IEC 61094-4)	>145 dB re 20 µPa WS2F	>145 dB re 20 µPa WS2F		<b>NOTES:</b> [1]Typical. [2]Prepolarized [3]re 250 Hz					
<b>Environmental</b> Temperature Range(Operating) Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C)) Static Pressure Coefficient Humidity Coefficient of Sensitivity(0 to 100%, non-condensing) Influence of Axial Vibration(0.1g (1 m/s <sup>2</sup> ))	-40 to +248 °F 0.005 dB/°F -0.01 dB/kPa ± 0.001 dB/%RH 63 dB re 20 µPa	-40 to +120 °C 0.009 dB/°C -0.01 dB/kPa ± 0.001 dB/%RH 63 dB re 20 µPa	[1][3] [1][3] [3] [1]	<b>SUPPLIED ACCESSORIES:</b> Model ACS-20 Calibration of Precision Condensor Microphones (1)					
<b>Electrical</b> Capacitance(Polarized) Polarization Voltage	12 pF 0 V	12 pF 0 V	[1] [2]						
<b>Physical</b> Housing Material Venting Mounting Thread(Preamplifier) Mounting Thread(Grid) Size (Diameter x Height)(with grid) Size (Diameter x Height)(without grid) Weight	Stainless Alloy Rear 0.4606 - 60 UNS 0.5 - 60 UNS 0.52 in x 0.64 in 0.5 in x 0.6 in 0.28 oz	Stainless Alloy Rear 11.7 mm - 60 UNS 12.7 mm - 60 UNS 13.2 mm x 16.2 mm 12.7 mm x 15.3 mm 7.8 gm	[1]						
<i>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.</i>				 <b>Phone: 716-684-0001</b> <b>Fax: 716-684-0987</b> <b>E-Mail: info@pcb.com</b> 3425 Walden Avenue, Depew, NY 14043					
Entered: AP		Engineer: MJN		Sales: MV		Approved: MT		Spec Number:	
Date: 4/24/2015		Date: 4/24/2015		Date: 4/24/2015		Date: 4/24/2015		<b>59959</b>	