

Model Number 377A14	PRECISION CONDENSER MICROPHONE		Revision: E ECN #: 45005
Performance	ENGLISH	SI	OPTIONAL VERSIONS Optional versions have identical specifications and accessories as listed for the standard model except where noted below. More than one option may be used.
Nominal Microphone Diameter	1/4"	1/4"	
Frequency Response Characteristic	Pressure	Pressure	NOTES: [1] Typical. [2] Prepolarized [3] re 250 Hz
Open Circuit Sensitivity	1.0 mV/Pa	1.0 mV/Pa [3]	
Open Circuit Sensitivity(± 3 dB)	-60 dB re 1 V/Pa	-60 dB re 1 V/Pa [3]	
Frequency Range(± 2 dB)	4 to 70,000 Hz	4 to 70,000 Hz	
Lower Limiting Frequency(-3 dB)	0.25 to 3.0 Hz	0.25 to 3 Hz	
Resonant Frequency(90° Phase Shift)	65,000 Hz	65,000 Hz [1]	
Inherent Noise	<35 dB(A) re 20 µPa	<35 dB(A) re 20 µPa	
Dynamic Range(3% Distortion Limit)	178 dB re 20 µPa	178 dB re 20 µPa [1]	
Environmental			
Temperature Range(Operating)	-40 to +248 °F	-40 to +120 °C	
Temperature Coefficient of Sensitivity(+14 to +122°F (-10 to +50°C))	0.004 dB/°F	0.007 dB/°C [1][3]	
Static Pressure Coefficient	-0.003 dB/kPa	-0.003 dB/kPa [1][3]	
Humidity Coefficient of Sensitivity(0 to 100%, non-condensing)	± 0.0012 dB/%RH	± 0.0012 dB/%RH [3]	
Influence of Axial Vibration(0.1g (1 m/s ²))	66 dB re 20 µPa	66 dB re 20 µPa [1]	
Electrical			
Capacitance(Polarized)	5 pF	5 pF [1]	
Polarization Voltage	0 V	0 V [2]	
Physical			
Housing Material	Stainless Alloy	Stainless Alloy	
Venting	Side	Side	
Mounting Thread(Preamplifier)	0.2244 - 60 UNS	5.7 mm - 60 UNS	
Mounting Thread(Grid)	0.25 - 60 UNS	6.35 mm - 60 UNS	
Size (Diameter x Height)(with grid)	0.28 in x 0.41 in	7.0 mm x 10.5 mm	
Size (Diameter x Height)(without grid)	0.25 in x 0.36 in	6.4 mm x 9.1 mm	
Weight	0.06 oz	1.8 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.</i>			
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			SUPPLIED ACCESSORIES: Model ACS-20 Calibration of Precision Condensator Microphones (1)
			Entered: LK Engineer: MT Sales: MV Approved: MT Spec Number: Date: 10/13/2016 Date: 10/13/2016 Date: 10/13/2016 Date: 10/13/2016 54344
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