


Model Number 377C10	PRECISION CONDENSER MICROPHONE			Revision E ECN #: 41837
Performance	ENGLISH	SI		Optional Versions (Optional versions have identical specifications and accessories as listed for standard model except where noted below. More than one option maybe used.)
Nominal Microphone Diameter	1/4"	1/4"		Notes
Frequency Response Characteristic	Pressure	Pressure		[1] Typical.
Open Circuit Sensitivity (at 250 Hz)	1.0 mV/Pa	1.0 mV/Pa		[2] Prepolarized
Open Circuit Sensitivity (±3 dB)	-60 dB re 1 V/Pa	-60 dB re 1 V/Pa	[1]	Supplied Accessories
Frequency Range (±2 dB)	4.0 to 70000 Hz	4.0 to 70000 Hz		ACS-20 Calibration of Precision Condensor Microphones (1)
Lower Limiting Frequency (-3 dB)	0.25 to 3 Hz	0.25 to 3 Hz		
Resonant Frequency (90° Phase Shift)	65 kHz	65000 Hz	[1]	
Inherent Noise (Microphone)	<35 dB(A)	<35 dB(A)		
Dynamic Range (3% Distortion Limit) (Microphone)	>174 dB(A)	>174 dB(A)		
Inherent Noise	<50 dB(A)	<50 dB(A)		
Dynamic Range (3% Distortion Limit) (With Standard Pre-amp)	>174 dB re 20 µPa	>174 dB re 20 µPa		
Environmental				
Temperature Range (Operating)	-40 to +248 °F	-40 to +120 °C	[1]	
Temperature Coefficient of Sensitivity (+14 to +122°F (-10 to +50°C))	0.004 dB/°F	0.007 dB/°C	[1]	
Static Pressure Coefficient	-0.003 dB/kPa	-0.003 dB/kPa		
Humidity Coefficient of Sensitivity	-0.0012 to +0.0012 dB/%RH	-0.0012 to +0.0012 dB/%RH	[1]	
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	Rear	Rear		
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) (with grid)	0.28 in	7.0 mm		
Size (Diameter) (without grid)	0.25 in	6.4 mm		
Size (Height) (with grid)	0.41 in	10.5 mm		
Size (Height) (without grid)	0.36 in	9.1 mm		
Weight	0.06 oz	1.8 gm	[1]	
<i>All specifications are at room temperature unless otherwise specified.</i>				
In the interest of constant product improvement, we reserve the right to change specifications without notice.				
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Entered: AP	Engineer: MT	Sales: MV	Approved: MT	Spec Number:
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