





Model Number EX378B02	ICP MICROPHONE SYSTEM		Revision: NR ECN #: 47683
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	1/2"	1/2"	
Frequency Response Characteristic(at 0° incidence)	Free-Field	Free-Field	
Sensitivity	50 mV/Pa	50 mV/Pa	[3]
Sensitivity(± 1.5 dB)	-26 dB re 1 V/Pa	-26 dB re 1 V/Pa	[3]
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	15.5 dB(A) re 20 μPa	15.5 dB(A) re 20 μPa	[2]
Dynamic Range(3% Distortion Limit)	137 dB re 20 μPa	137 dB re 20 μPa	[2]
Environmental			
Temperature Range(Operating)	-40 to +176 °F	-40 to +80 °C	
Temperature Coefficient of Sensitivity(+14 to +158°F (-10 to +70°C))	0.005 dB/°F	0.009 dB/°C	[2][3]
Static Pressure Coefficient	-0.013 dB/kPa	-0.013 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/s ²))	63 dB re 20 μPa	63 dB re 20 μPa	[2]
Electrical			
Polarization Voltage	0 V	0 V	[1]
Excitation Voltage	20 to 30 VDC	20 to 30 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	± 7 Vpk	± 7 Vpk	
Output Impedance	<50 Ohm	<50 Ohm	
Physical			
Housing Material	Stainless Alloy	Stainless Alloy	
Venting	Rear	Rear	[4]
Electrical Connector	BNC Jack	BNC Jack	
Mounting Thread(Grid)	0.5 - 60 UNS	0.5 - 60 UNS	
Size (Diameter x Height)(with grid)	0.52 in x 4.02 in	13.2 mm x 102.1 mm	
Size (Diameter x Height)(without grid)	0.50 in x 3.99 in	12.7 mm x 101.2 mm	
Weight	1.87 oz	53 gm	[2]
 [5]			
			
 [6]			
<p><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></p> <p>ICP® is a registered trademark of PCB Group, Inc.</p>			<p>NOTES:</p> <p>[1] Prepolarized [2] Typical. [3] re 250 Hz [4] Venting through Preamp. [5] See PCB Declaration of Conformance PS172 for details. [6] See Model's "Instructions For Use" (IFU) for North American Conformity and Certification Statements.</p>
			SUPPLIED ACCESSORIES: Model ACS-63 Calibration (with TEDS) of Precision Condenser Microphones and Preamplifiers together (mated pair).
Entered: LK	Engineer: gs	Sales: MV	Approved: BAM
Date: 1/16/2018	Date: 1/16/2018	Date: 1/16/2018	Date: 1/16/2018
			Spec Number: 66400
			Phone: 716-684-0001 Fax: 716-684-0987 E-Mail: info@pcb.com
3425 Walden Avenue, Depew, NY 14043			

Aufgrund laufender Weiterentwicklungen sind Änderungen der Spezifikationen vorbehalten. Alle Angaben vorbehaltlich Satz- und Druckfehler.

v180613

nbn Austria GmbH

Riesstraße 146, 8010 Graz

Tel. +43 316 402805 | Fax +43 316 402506

nbn

nbn@nbn.at | www.nbn.at