

	<u>ENGLISH</u>	<u>SI</u>	
<b>Performance</b>			
Nominal Microphone Diameter	1/4"	1/4"	
Frequency Response Characteristic(at 0° incidence)	Free-Field	Free-Field	
Frequency Response(± 2 dB)	20 to 10,000 Hz	20 to 10,000 Hz	
Frequency Response(± 5 dB)	20 to 20,000 Hz	20 to 20,000 Hz	
Phase Match(100 Hz to 5 kHz)	± 5 °	± 5 °	[2]
Sensitivity(@ 250 Hz)	45 mV/Pa	45 mV/Pa	
Sensitivity(± 3 dB)(@ 250 Hz)	-26.9 dB re 1 V/Pa	-26.9 dB re 1 V/Pa	
Inherent Noise(A Weighted)	<30 dB	<30 dB	
Dynamic Range(3% Distortion Limit)	>122 dB	>122 dB	
TEDS Compliant	Yes	Yes	[3]
<b>Environmental</b>			
Temperature Range(Operating)	+14 to +122 °F	-10 to +50 °C	
Temperature Effect on Output(-10 to +50 °C)	<0.7 dB	<0.7 dB	[1]
<b>Electrical</b>			
Excitation Voltage	18 to 30 VDC	18 to 30 VDC	
Constant Current Excitation	2 to 20 mA	2 to 20 mA	
Output Bias Voltage	5.5 to 14 VDC	5.5 to 14 VDC	
Output Impedance	<150 Ohm	<150 Ohm	
<b>Physical</b>			
Housing Material	Stainless Steel	Stainless Steel	
Electrical Connector(Output)	SMB coaxial socket	SMB coaxial socket	
Size (Diameter x Length)(overall)	0.28 in x 2.36 in	7.0 mm x 60.0 mm	
Weight	0.32 oz	9.2 gm	[1]

**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.

**T** - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4

**NOTES:**

[1] Typical.  
 [2] ± 3° from 100 Hz to 3 kHz typical  
 [3] TEDS Capable Digital Memory and Communication, compliant with IEEE 1451.4

**SUPPLIED ACCESSORIES:**

Model ACS-21 Calibration of Electret Microphone (1)

Entered: AP	Engineer: MT	Sales: MV	Approved: MT	Spec Number:
Date: 3/12/2014	Date: 3/12/2014	Date: 3/12/2014	Date: 3/12/2014	<b>44439</b>



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.



**Phone: 716-684-0001**  
**Fax: 716-684-0987**  
**E-Mail: info@pcb.com**