



**Model 130D21T Microphone**

<b>PERFORMANCE</b>	<b>ENGLISH</b>	<b>SI</b>
Nominal Microphone Diameter	1/4"	1/4"
Frequency Response Characteristic (at 0° incidence)	Free-Field	Free-Field
Frequency Response (± 1 dB)	100 to 4000 Hz	100 to 4000 Hz
(-2 to 5 dB)	20 to 15,000 Hz	20 to 15,000 Hz
Phase Match (100 Hz to 5 kHz)	± 5 °	± 5 ° [1]
Sensitivity (@ 250 Hz)	45 mV/Pa	45 mV/Pa
(± 3 dB) (@ 250 Hz)	-26.9 dB re 1 V/Pa	-26.9 dB re 1 V/Pa
Dynamic Range (1/3 Octave @ 1kHz)	<15 dB	<15 dB
(Linear Spec. 10 Hz - 10 kHz)	<40 dB	<40 dB
(3% Distortion Limit)	>122 dB	>122 dB
<b>ENVIRONMENTAL</b>		
Temperature Range (Operating)	+14 to +122 °F	-10 to +55 °C
Temperature Effect on Output (-10 to + 50 °C)	<0.5 dB	<0.5 dB
<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	8 to 12 VDC	8 to 12 VDC
Output Impedance	<10 ohms	<10 ohms
<b>PHYSICAL</b>		
Housing Material	Stainless Steel	Stainless Steel
Sealing	Epoxy	Epoxy
Size (Diameter x Length) (overall)	0.22 in x 3.2 in	5.5 mm x 81.8 mm
(head)	0.275 in x 0.25 in	7 mm x 6.35 mm
Weight	0.19 oz	5.4 gm [2]
Electrical Connector (Output)	10-32 Coaxial Jack	10-32 Coaxial Jack
<b>SUPPLIED ACCESSORIES:</b>		
Model ACS-21 Calibration of Array Microphone (1)		
<b>OPTIONAL VERSIONS</b>		
T - TEDS Capable of Digital Memory and Communication Compliant with IEEE P1451.4		

*All specifications are at room temperature unless otherwise specified.*

<b>NOTES:</b>	
[1]	± 3° from 100 Hz to 3 kHz typical
[2]	Typical.

