

Model Number  
**9917C**

# MICROPHONE COMPARISON CALIBRATOR

Revision: NR  
ECN#:

## PERFORMANCE

Frequency Range	20 Hz to 10 kHz <sup>[1]</sup>
Microphone Pressure Calibration Accuracy <sup>[2]</sup>	±0.5 dB
Source Signal for 1 Pa Output (250 Hz)	2.6 mV
Source Signal for 1 Pa Output (1 kHz)	3.2 mV
Source Signal for 1 Pa Output (10 kHz)	500 mV
Distortion (%THD, 250 Hz, 94 dB SPL)	≤1%

## ELECTRICAL

Maximum Input Voltage	2 V pk
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## ENVIRONMENTAL

Temperature Range (Operating)	40 °F to 122 °F (4.4 °C to 50 °C)
Temperature Range (Storage)	-40 °F to +176 °F (-40 °C to +80 °C)

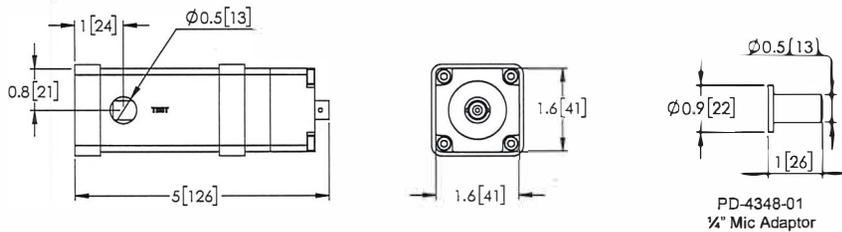
## MECHANICAL

Housing Material	Aluminum
Size (Length x Width x Height)	4.7 x 1.6 x 1.6 inches (119 x 41 x 41 mm)
Source Input	BNC Jack

### NOTES:

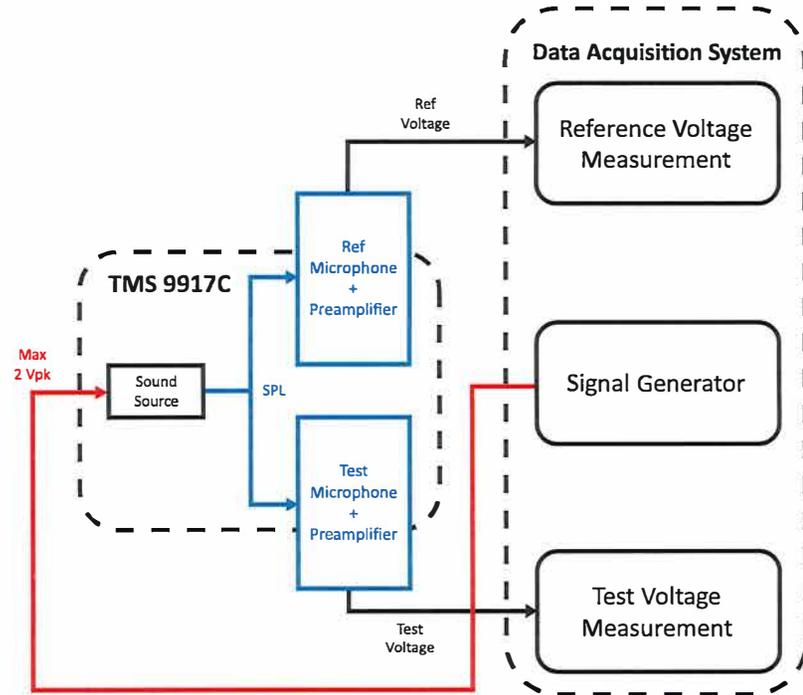
- [1] 94 dB SPL (re. 20e-6 Pa)  
[2] This is the maximum expected difference of sound pressure between the two microphone diaphragms.

## PRODUCT DRAWING



Dimensions are in inches [mm].

## BLOCK DIAGRAM



All specifications are at room temperature unless otherwise specified.  
ICP is a registered trademark of PCB Piezotronics, Inc.  
In the interest of constant product improvement, specifications may change without notice.



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Date: 10/30/18

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Date: 11/1/18

Spec Number:

**PS-0152**

Page 1 of 1

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