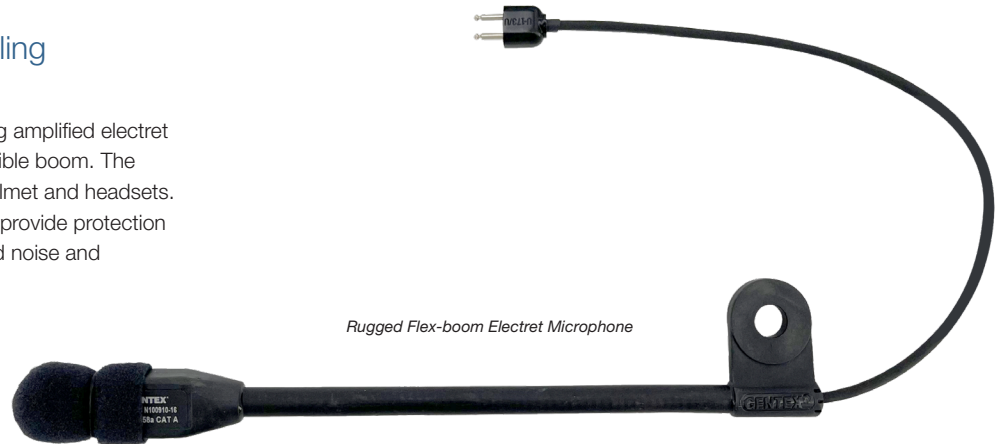


Type N100910 Microphone

Ruggedized Aviation Electret Flexible
Boom Microphone

Ruggedized, Noise-Cancelling Microphone Technology

Offering a low distortion, noise-cancelling amplified electret microphone on a rugged, one-piece flexible boom. The one-piece design can be mounted to helmet and headsets. A replaceable windscreen is included to provide protection for the microphone element against wind noise and transmission distortion.



KEY FEATURES

Communication Intelligibility

The amplified electret, carbon replacement microphone provides high intelligibility communication under noisy conditions encountered in general aviation and military environments

Rugged One-Piece Design

Flexible gooseneck tubing and integrated mount permit proper positioning of the microphone element in front of the user's mouth from either the left or right hand side.

Industries Served

- General aviation and military
- Tactical law enforcement (land and marine)

Compatibility

The amplified electret microphones are reverse polarity operation protected and compatible with many:

- Gentex HGU-55/P, HGU-56/P, and HGU-84/P Helmets
- Military, Industrial, General Aviation Radios and Intercom Systems (ICS)

Compliance

- MIL-STD-810G environmentally compliant
- MIL-STD-461F electromagnetic interference
- FAA approved FAA-TSO C58a

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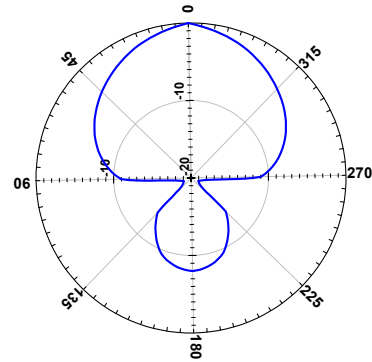
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Type N100910 Microphone

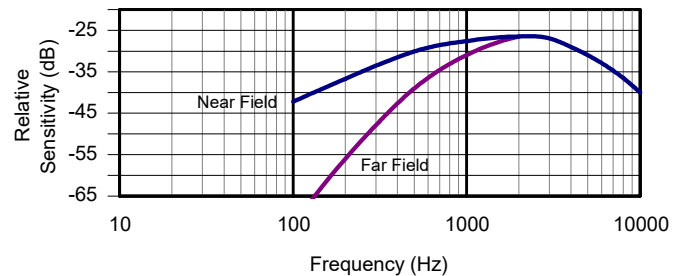
SPECIFICATIONS

Sensitivity @1 kHz, 94 dB SPL input: -32 to -22 dBV/Pa
Frequency Response: 315 Hz to 6300 Hz
Distortion: Less than 1% THD at 94 dB SPL across specified frequency response
Impedance: 150 Ω
Rated Load Resistance: $R_s = 100 - 1800$ ohms
Rated Supply Voltage: 8-16 VDC (not polarity sensitive)
 12 VDC nominal
Rated Current Drain: Less than 40 mA $T_a = 25^\circ\text{C}$
Boom Flex Life: 20,000 cycles
Color: Lusterless black
Operating Temperature: -15°C to $+55^\circ\text{C}$
Humidity: 0% to 90% relative humidity
Pressurized Equivalent Altitude: <15,000ft
Dust: 1750 ft/min @ 0.3 g/ft²
Weight: < 55 grams

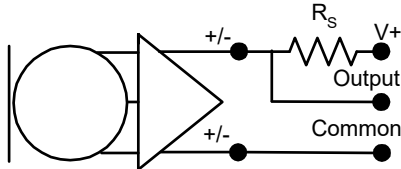
Angular Response @ 1 KHz



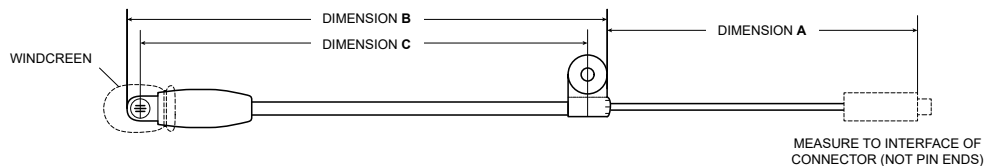
Frequency Response



Test Circuit



DIMENSIONS



Part Number	Description	DIMENSION A Cable Length	DIMENSION B Boom Length	DIMENSION C Boom Length	Connector	Fits On
N100910-05	MIC ELECT RGDFLX U173 6IN CAB	6.0"	8.1"	7.41"	U-173/U	HGU-84/P, HGU-55/P
N100910-15	MIC ELECT RGDFLX 12IN CAB	12.0"	8.1"	7.41"	None	
N100910-16	MIC ELECT RGDFLX U173 9IN CAB	9.0"	8.1"	7.41"	U-173/U	HGU-56/P

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