



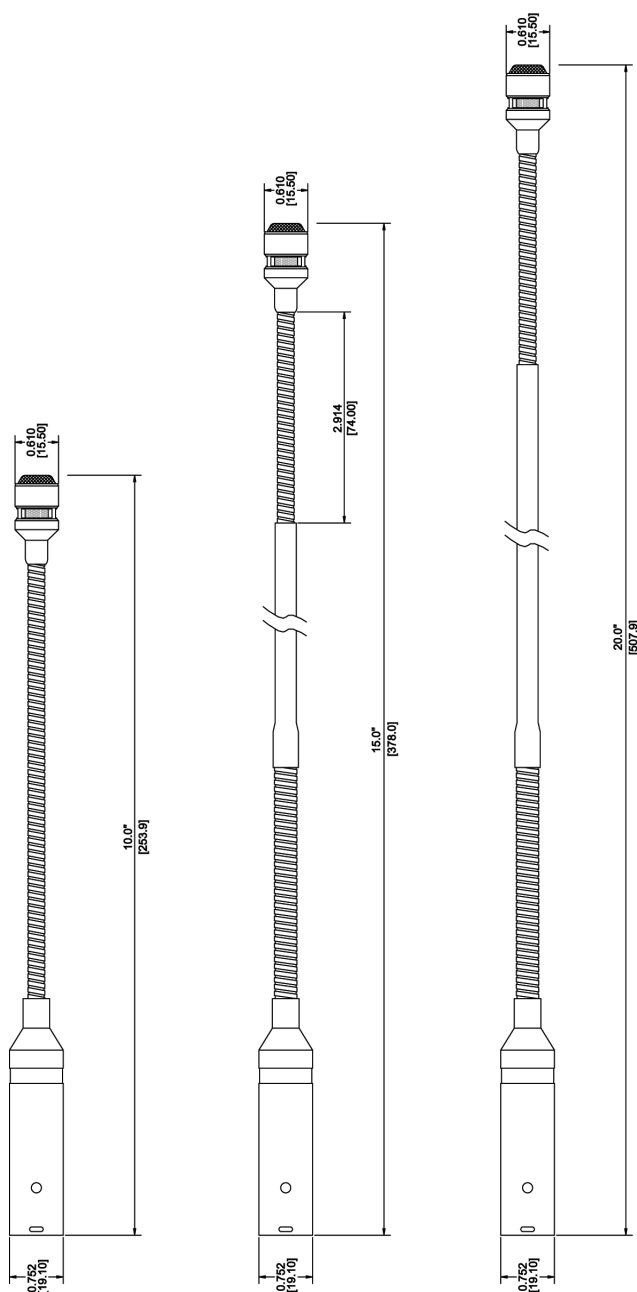
Industrial Audio Products

910B / 915B / 920B ELECTRET CONDENSER CARDIOID MINI-GOOSENECK MICROPHONE

Description

The Astatic 910B, 915B and the 920B are superior low noise, electret condenser cardioid mini-gooseneck microphones.

The 910B, 915B and the 920B microphones have a wide, flat frequency response which provides unsurpassed, natural, transparent sound quality, and warm sound when used close to the sound source. Their cardioid pickup pattern minimizes annoying feedback when used close to sound reinforcement speakers and monitors, while reducing the pickup of unwanted off axis sounds. The 915B and 920B microphones differ only in length. The 910B has no center support stiffener. The approximate overall length of the 910B is 10 inches, the 915B is 15 inches in length and the 920B is 20 inches in length.



ASTATIC Quality

All 910B, 915B and 920B microphones are audio tested and inspected prior to shipment. Our absolute commitment to quality insures that Astatic microphones remain the Best Value in today's competitive industry.

Operation and Maintenance

The Astatic 910B, 915B and 920B are some of the finest values in gooseneck microphones available.

If the mike housing becomes soiled by dirt or residue it may be cleaned using a cloth dampened with isopropyl alcohol.

SPECIFICATIONS FOR 910B / 915B / 920B



Specifications

Generating Element:

Electret Condenser (Phantom Powered)

Polar Pattern:

Unidirectional (Cardioid)

Frequency Response:

40 Hz - 20 kHz

Output Level:

Open Circuit Voltage:

-50dB (0 dB = 1 volt per microbar)

Impedance:

Low (500 ohms nominal)

Dynamic Range:

100 dB

Equivalent Noise Level:

Less than 30 dB, A weighted

Maximum SPL:

130 dB (1% THD, open circuit)

Powering:

Supply Voltage:

9 - 52 Vdc, positive pins 2 & 3 reverse polarity protected

Current Required:

Less than 2.0 mA over operating voltage range

Phasing:

Positive Pressure on Diaphragm generates a positive voltage on pin 2 relative to pin 3

Finish:

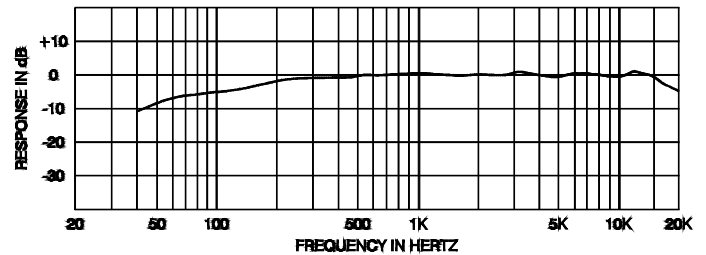
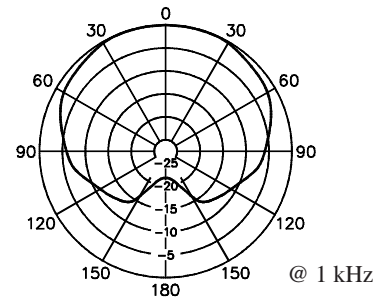
Durable textured urethane black

NET Weight:

910B - 95 grams (3.4 oz.)

915B - 120 grams (4.2 oz.)

920B - 142 grams (5.0 oz.)



User Techniques and Applications

The low frequency response of the **910B**, **915B** and **920B** may be enhanced by increasing or decreasing the distance from the sound source. This phenomena is technically known as "proximity effect". Nominal or "flat" response is generated at a distance of 24 inches or more. However, as the distance to the sound source decreases, the bass sensitivity increases, providing a solid, robust character.

Architects' and Engineers' Specification

The microphone shall be a mini-gooseneck electret type. The frequency response will be 40-20 kHz. The microphone shall have a cardioid polar pattern.

The output level of the microphone shall be -50dB (0dB = 1 volt per microbar) The microphone will have a professional 3 pin male XLR connector which also contains the microphones' electronic circuitry. The microphone will operate from standard phantom power at any voltage from 9 to 52 volts DC with a current consumption of less than 2 mA.

The dimensions of the microphone shall be 15.5mm (39/64") in diameter for the head, and 19mm (3/4") in diameter for the connector. The gooseneck shall be 6.4mm (1/4") in diameter. The overall length will be 253.9mm (10") for the 910B, 378mm (15") for the 915B and 507.9mm (20") for the 920B. The weight shall be 95 grams (3.4 oz.) for the 910B, 120 grams (4.2 oz.) for the 915B and 145 grams (5.1 oz.) for the 920B. The 910B, 915B and the 920B will have a durable black urethane finish. A foam windscreen will be supplied as an accessory.

The **ASTATIC Model 910B, 915B or 920B** is specified.

TWO-YEAR LIMITED WARRANTY

Omnitronics, LLC ("ASTATIC") hereby warrants that this product will be free of defects in material and workmanship for a period of two years from the date of purchase. In the unlikely event a defect occurs ASTATIC will, at its option, either repair or replace with a new unit of equal or greater value. You should retain proof of purchase to validate the purchase date and return it with any warranty claim. Return warranty claims carefully packed, insured and prepaid to the Service Department at the address listed below.

This warranty excludes exterior finish or appearance, damage from abuse, misuse of the product, use contrary to ASTATIC's instructions or unauthorized repair. All implied warranties or merchantability or fitness for a particular purpose are hereby disclaimed and ASTATIC hereby disclaims liability for incidental, special or consequential damages resulting from the use or unavailability of this product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above exclusions and limitations may not apply to you.

Note: No other warranty, written or oral is authorized by Omnitronics, LLC.