

BOGEN MICROPHONES

Models HDU250, HDU150, HDO100, MBS1000A, DDU250, GCU250, GDU150, MGN19, SCU250, WCU250

Introduction

Bogen's line of microphones come in a variety of types and styles (handheld, desktop, gooseneck, boundary, and overhead hanging) to meet any and all application needs ranging from paging systems to instrument and vocal reproduction. Each is ruggedly constructed to withstand the demands of sound installations.

Each microphone provides clear, natural, intelligible sound reproduction with accurate response and dependable performance. Bogen's microphone models are crafted with professional-grade features, including models with rubberized grips; quiet on/off glide switches; dent-proof screens; contemporary designs; and a variety of accessories including stands, mounting clips, windscreens, and cables.

Index

Handhelds (HDU250, HDU150, HDO100).....	1-2
Desktops (MBS1000A, DDU250)	3
Goosenecks (GDU250, GCU150, MGN19)	4-5
Boundary (SCU250)	6
Overhead (WCU250)	6
Accessories	7
Architect and Engineer Specifications	8

HDU250 - Professional Stage

Description

The HDU250 is a dynamic microphone ideal for acoustically-demanding environments. It features a heavy zinc die cast case with a rigid, low noise cable-mount system and a lockable silent reed switch. It has an extra low handling noise, floating, shock-mounted Neodymium capsule.



Features

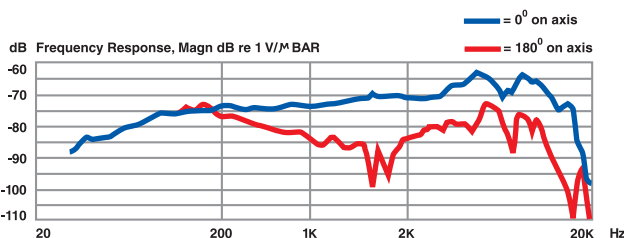
- Cardioid pickup pattern
- High sensitivity Neodymium capsule
- High output design with excellent gain before feedback characteristics
- High sound pressure capability without distortion and low sensitivity to breath/pop noise
- Efficient shock-mount system reduces handling and cable noise
- Rugged, reliable construction
- Integral multi-layer breath/wind filter
- Low-impedance operation
- Lockable, silent on/off reed switch
- Includes mic clip

Specifications

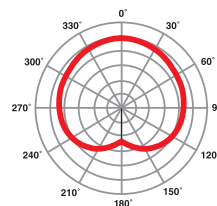
MIC Type:	Handheld
Element:	Moving coil dynamic
Polar Pattern:	Cardioid
Impedance:	250-ohm
Frequency Response:	50 Hz to 18 kHz
Sensitivity*:	-72 dB +/- 3dB
S/N Ratio:	>65 dB
Connector:	XLR Male
Switch:	With sliding-type on/off switch (lockable, silent reed switch)
Dimensions:	7" D x 2" Dia.
Product Weight:	13 oz.
Material:	Zinc die cast
Finish:	Rubberized black finish

* (0dB=1V/mBAR 1,000 Hz indicated by open circuit)

Frequency Response Graph



Polar Graph



54-5090-01D 1101

© 2003 Bogen Communications, Inc.
Specifications subject to change without notice.

MBS1000A - Desktop Paging

Description

The MBS1000A is a dynamic, dual-impedance, desktop microphone designed for all industrial and commercial public address and paging applications.

Features

- Uni-directional pickup pattern
- Push-to-talk or lift-to-talk operation
- Locking mechanism with push-to-talk bar for long announcements
- Rubberized black finish with die-cast base
- Contact closure leads

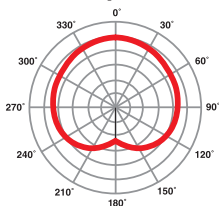


Specifications

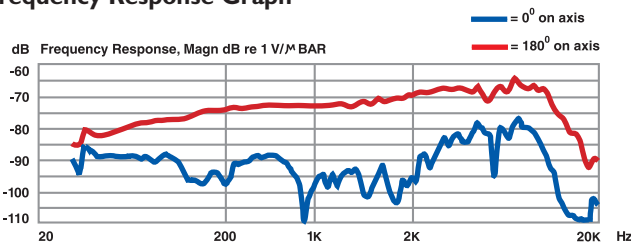
MIC Type:	Desktop
Element:	Dynamic
Polar Pattern:	Cardioid
Impedance:	Lo-Z, 500 ohms; Hi-Z, 50k ohms (switch-selectable)
Frequency Response:	45 Hz to 15 kHz
Sensitivity*:	Hi-Z: -52 dB +/- 3 dB Lo-Z: -72 dB +/- 3 dB
Cable:	7' of 4-conductor, 2-shielded
Switch:	Locking push-to-talk, lift-to-talk, impedance selector
Dimensions:	4- ³ / ₈ " W x 9- ³ / ₈ " H x 5- ⁷ / ₈ " D
Product Weight:	1- ¹ / ₄ lb.
Material:	ABS plastic
Finish:	Rubberized black finish

* (0dB=1V/MBAR 1,000 Hz indicated by open circuit)

Polar Graph



Frequency Response Graph



DDU250 - Dynamic Desktop

Description

The DDU250 is a high-quality, dynamic, gooseneck desktop microphone ideal for any podium or PA system. The gooseneck permits the user to adjust the microphone's angle and height to suit the user's needs.

Features

- Cardioid pickup pattern
- 16" long, fully flexible gooseneck stalk that is shock-mounted to a heavy zinc die cast base
- Push-to-lock and push-to-talk switches
- 10-foot cable with external contact closure outputs for the talk switches
- Excellent speech intelligibility with low ambient noise
- Effective feedback control
- Low sensitivity to breath and popping sound
- Slim, compact design to minimize distraction to the user

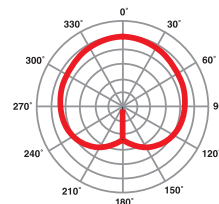


Specifications

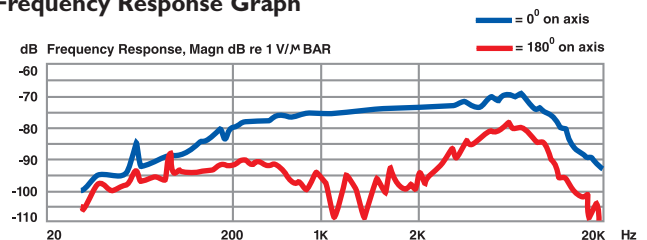
MIC Type:	Desktop
Element:	Moving coil dynamic
Polar Pattern:	Cardioid
Impedance:	500-ohm
Frequency Response:	100 Hz to 12 kHz
Sensitivity*:	-76 dB +/- 3dB
S/N Ratio:	>65 dB
Cable:	10 ft., 4-conductor, 2-shielded
Switches:	Push-to-lock and push-to-talk
Dimensions:	4- ¹ / ₄ " W x 18- ¹ / ₄ " H x 6- ¹ / ₄ " D
Product Weight:	3- ¹ / ₂ lb.
Material:	Zinc die cast
Finish:	Matte black

* (0dB=1V/MBAR 1,000 Hz indicated by open circuit)

Polar Graph



Frequency Response Graph



MGN19 - Dynamic Gooseneck

Description

The MGN19 is a push-button activated, dynamic microphone that is ideal for paging and commercial applications.



Features

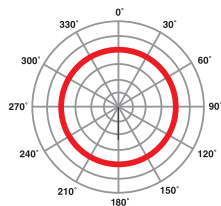
- Omni-directional pickup pattern
- Push-to-talk switch on MIC housing
- Rugged, reliable design for quality, long-term use under the most strenuous handling conditions
- Chrome-plated screen and 19" L gooseneck with black Cylolac® housing
- Contact closure leads

Specifications

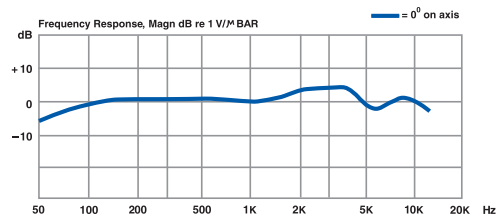
MIC Type:	Gooseneck
Element:	Dynamic
Polar Pattern:	Omni-directional
Impedance:	400-ohm
Frequency Response:	50 Hz to 12 kHz
Sensitivity*:	-76 dB +/- 3dB
Cable:	7' of 4-conductor, 2-shielded
Switch:	Push-to-talk on housing
Dimensions:	23-1/2" L
Product Weight:	1-1/4 lb.
Material:	Cylolac (housing)
Finish:	Black Cylolac cap and housing; chrome gooseneck and mounting flange

* (0dB=1V/MBAR 1,000 Hz indicated by open circuit)

Polar Graph



Frequency Response Graph



Accessories

CABLES

MAC - Microphone Cable Assembly

- For handheld models
- Female XLR to stripped and tinned wires
- 25' cable
- 2-conductor plus shield
- 1 lb.

XLR25 - Microphone Cable

- For handheld models
- Male XLR to female XLR
- 25'
- 2-conductor plus shield
- 12 oz.

CLIPS

MC27 - Handheld Clip

- For handheld models
- Black, flexible, impact-resistant plastic

WINDSCREENS

WSGCU250 - Windscreen for GCU250

- Foam windscreen for use with GCU250 microphone



MC27



WSGCU250



MAC



XLR25



SF4



SB6



MSM



DS3



MFM

MOUNTS

MFM - Flange Mount

- 3-pin female XLR connector non-shock-isolated
- 3-¹/₄" H x 1-³/₄" dia. base, 3 ounces

MSM - Shock-Isolated Microphone Base

- For GCU250 and GDU150
- Provides superior mechanical noise and vibration isolation
- Lightweight ABS material housing
- XLR (female) connector
- Thick shock-absorbing rubber cushion
- Ideal fixture for boardrooms, conference rooms, pulpits, podiums, and newsrooms
- 4-³/₄" W x 1-³/₄" H x 4" D, 6 ounces

STANDS

DS3 - Desk Stand

- 3" chrome-finish tube, 4" high with base
- 6" diameter cast iron base, 3 lb.

SF4 Floor Stand

- 34" to 62" adjustable height
- Round 10" diameter die cast base, 9 lb.
- Grip-action clutch and chrome-plated tubing

SB6 - Floor Boom Stand

- Telescopic floor stand
- Sliding 30" boom arm
- 34" to 62" adjustable height, 6 lb.
- Chrome-plated tubing
- Tripod base

