

BOGEN MICROPHONES

Models HDU250, HDU150, HDO100, DDU250, GCU250, GDU150, 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.

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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

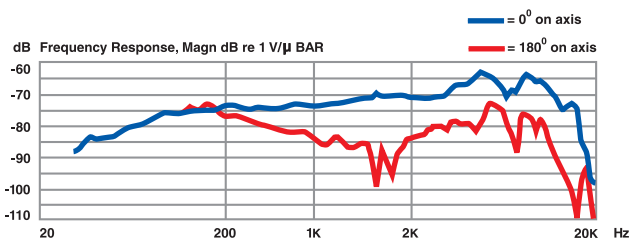
- Cardioid pickup pattern
- High sensitivity Neodymium capsule
- High output design with excellent gain before feedback characteristics
- High sound pressure capability without distortion and low sensitivity to breath/pop noise
- Efficient shock-mount system reduces handling and cable noise
- Rugged,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

Specifications

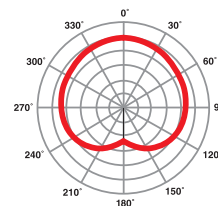
MIC Type:	Handheld
Element:	Moving coil dynamic
Polar Pattern:	Cardioid
Impedance:	250-ohm
Frequency Response:	50 Hz to 18 kHz
Sensitivity*:	-72 dB +/- 3dB
S/N Ratio:	>65 dB
Connector:	XLR Male
Switch:	With sliding-type on/off switch (lockable, silent reed switch)
Dimensions:	7" D x 2" Dia.
Product Weight: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

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

Frequency Response Graph



Polar Graph



54-5090-01K 2001

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Specifications subject to change without notice.

HDU150 - Handheld Stage

Description

The HDU150 is an attractive, dynamic, all-purpose microphone ideally suited for a wide variety of vocal and sound reinforcement applications.



Features

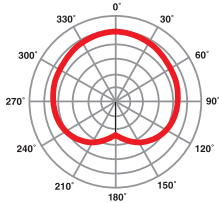
- Cardioid pickup pattern
- Crisp, clear sound
- Wide dynamic range with high-end sparkle and minimum feedback
- Rigid, low noise cable-mount system
- Low sensitivity to breath and popping sounds
- Durable ball-shaped design
- Rubber shock-mount system for attenuation of handling and cable noise
- Lockable, silent on/off reed switch
- Includes mic clip

Specifications

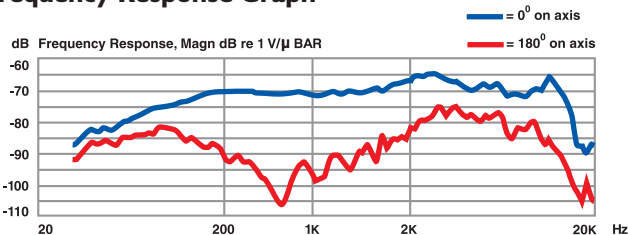
MIC Type:	Handheld
Element:	Moving coil dynamic
Polar Pattern:	Cardioid
Impedance:	500-ohm
Frequency Response:	70 Hz to 15 kHz
Sensitivity*:	-70 dB +/- 3dB
S/N Ratio:	>65 dB
Connector:	XLR Male
Switch:	With sliding-type on/off switch (lockable, silent reed switch)
Dimensions:	6-1/2" D x 1-1/2" Dia.
Product Weight:	13 oz.
Material:	Zinc die cast
Finish:	Rubberized black finish

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

Polar Graph



Frequency Response Graph



HDO100 - Public Address

Description

The HDO100 is an attractive, dynamic microphone perfectly-suited for public address applications and instrument sound reproduction.



Features

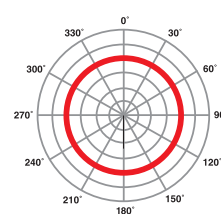
- Omni-directional pickup pattern
- Uniform pickup of sound from all directions with no deterioration in frequency response
- Clean, clear reproduction with minimal ambient sound
- Low sensitivity to handling noise and stage vibrations
- Rugged, reliable construction
- Internal rubber shock isolation system
- Lockable, silent on/off reed switch
- Includes mic clip

Specifications

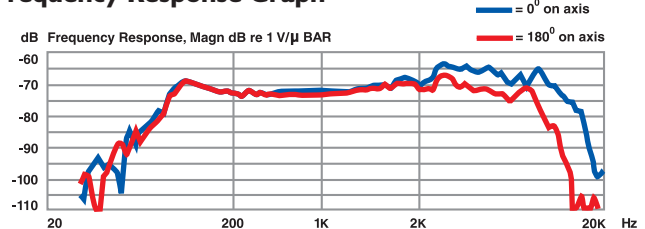
MIC Type:	Handheld
Element:	Moving coil dynamic
Polar Pattern:	Omn-directional
Impedance:	500-ohm
Frequency Response:	70 Hz to 15 kHz
Sensitivity*:	-72 dB +/- 3dB
S/N Ratio:	>65 dB
Connector:	XLR Male
Switch:	With silent on/off switch (lockable, silent reed switch)
Dimensions:	6-1/2" D x 1-1/2" Dia.
Product Weight:	13 oz.
Material:	Zinc die cast
Finish:	Rubberized black finish

* (0dB=1V/ μ BAR 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

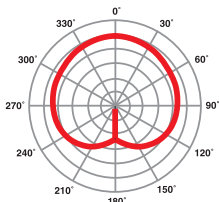
- Cardioid pickup pattern
- 16" long, fully flexible gooseneck stalk that is shock-mounted to a heavy zinc die cast base
- Push-to-lock and push-to-talk switches
- 10-foot cable with external contact closure outputs for the talk switches
- Excellent speech intelligibility with low ambient noise
- Effective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

Specifications

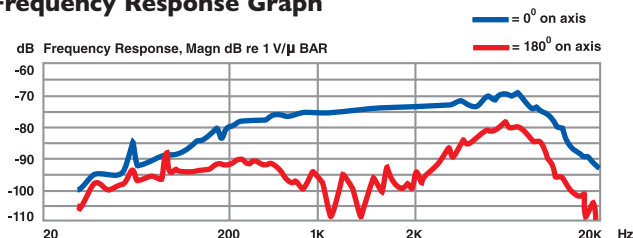
MIC Type:	Desktop
Element:	Moving coil dynamic
Polar Pattern:	Cardioid
Impedance:	500-ohm
Frequency Response:	100 Hz to 12 kHz
Sensitivity*:	-76 dB +/- 3dB
S/N Ratio:	>65 dB
Cable:	10 ft., 4-conductor, 2-shielded
Switches:	Push-to-lock and push-to-talk
Dimensions:	4-1/4" W x 18-1/4" H x 6-1/4" D
Product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

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

Polar Graph



Frequency Response Graph



MGN19A - Dynamic Gooseneck

Description

The MGN19A is a push-button activated, dynamic gooseneck microphone that is specifically designed for paging and commercial applications.



Features

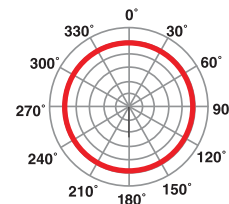
- Omni-directional pickup pattern
- Push-to-talk switch on MIC housing
- Rugged, reliable design for quality, long-term use under the most strenuous handling conditions
- Chrome-plated screen and 19" L with black gooseneck and plastic housing
- Contact closure leads

Specifications

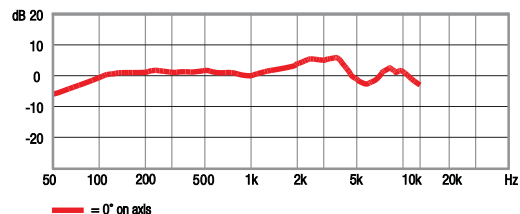
Element:	Dynamic
Polar Pattern:	Omni-directional
Frequency Response:	70 to 15 kHz
Output:	-70 dB (0 dB = 1V/microbar); \pm 3dB
Impedance:	500 ohms, \pm 30% (@ 1kHz)
Max Input SPL:	130dB @ 1kHz
Switch:	DPDT push-button switch
Cable:	5 ft. of four-conductor, two-shielded, permanently attached, rugged, synthetic jacketed cable
Dimensions:	23.66" H x 1.42" dia.
Product Weight:	1.34 lbs.
Finish:	Anodized Black
Gooseneck:	Electro-deposition coating, 18.15"

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

Polar Graph



Frequency Response Graph



GCU250 - Condenser Gooseneck

Description

The GCU250 is a high performance, partially-rigid, adjustable gooseneck condenser microphone capable of meeting the stringent demand of today's conference and PA systems. It is an intelligent choice for sound reinforcement applications. It has an integral XLR male connector mounting base and requires a 9V - 52V DC phantom power source. Slim and compact, the GCU250 is designed to minimize intrusion between the user and the audience.



Features

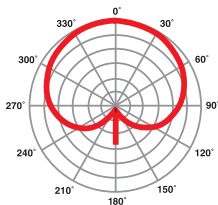
- 15-1/4" Adjustable Neck
- Phantom power-operated
- Cardioid pickup pattern
- Clean, accurate vocal reproduction with low ambient noise
- Snap-on windscreen
- Wide frequency response with rich treble and bass
- Thin, unobtrusive construction for close-up use
- Breath/wind filter included
- Durable all-metal case with non-glare black finish

Specifications

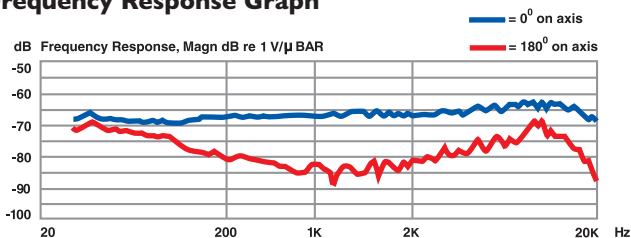
MIC Type:	Gooseneck
Element:	Back electret condenser
Polar Pattern:	Cardioid
Impedance:	250-ohm
Frequency Response:	50 Hz to 18 kHz
Sensitivity*:	-65 dB +/- 3dB
Max SPL @ 1% THD:	>130 dB
S/N Ratio:	>65 dB
Phantom Voltage Req:	9V - 52V DC
Connector:	XLR Male
Dimensions:	18-1/2" L (5-1/2" adjustable lower stalk, with 9-1/2" rigid upper section)
Product Weight:	4 oz.
Material:	Copper
Finish:	Non-glare black finish

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

Polar Graph



Frequency Response Graph



GDU150 - Dynamic Gooseneck

Description

The GDU150 is a dynamic, gooseneck microphone that features a durable all-metal case with a non-glare black finish. It has a 10" long, fully flexible neck with an integral XLR mounting base.



Features

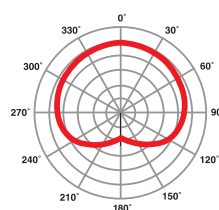
- Cardioid pickup pattern
- Outstanding speech intelligibility, feedback rejection, and user sound isolation
- High sound pressure capability and low sensitivity to breath/pop noise
- Superior shock-mount system to reject handling and cable noise
- Rugged, reliable construction
- Integral multi-layer breath/wind filter
- Durable all-metal case with non-glare black finish
- Silent push-on/push-off talk switch on base

Specifications

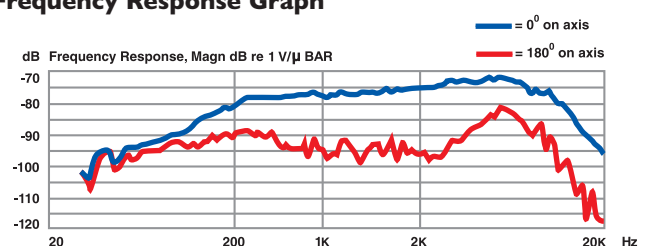
MIC Type:	Gooseneck
Element:	Moving coil dynamic
Polar Pattern:	Cardioid
Impedance:	500-ohm
Frequency:	100 Hz to 12 kHz
Sensitivity*:	-75 dB +/- 3dB
S/N Ratio:	>65 dB
Connector:	XLR Male
Switch:	Push-on/push-off talk switch on base
Dimensions:	16-3/4" L
Product Weight:	11 oz.
Material:	Zinc
Finish:	Non-glare black finish

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

Polar Graph



Frequency Response Graph



SCU250 - Boundary

Description

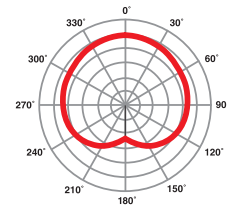
The SCU250 is an unobtrusive, surface-mount, boundary, condenser microphone ideal for meeting rooms, conferences, and stage productions where minimum visibility is ideal. It requires an external 9V - 52V DC phantom power supply.



Features

- Cardioid pickup pattern
- Full, rich reproduction of voice and music
- Well-suited in capturing the sound source and immediate surroundings
- Low sensitivity to stage vibration and thumping noise
- Mounting keyways for hanging or for secure attachment to the mounting surface
- Excellent user sound isolation with excellent feedback rejection
- Heavy-duty metal case
- Low-impedance balanced output

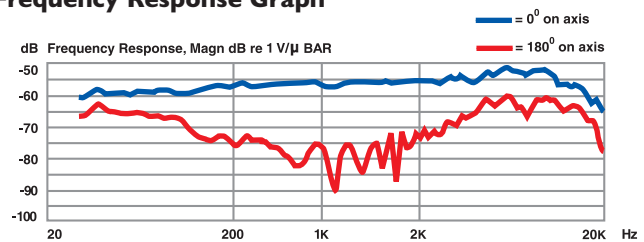
Polar Graph



Specifications

MIC Type:	Surface-mount
Element:	Back electret condenser
Polar Pattern:	Cardioid
Impedance:	250-ohm
Frequency Response:	20 Hz to 18 kHz
Sensitivity*:	-58 dB +/- 3dB
S/N Ratio:	>65 dB
Phantom Voltage Req:	9V - 52V DC
Cable:	26 ft., quad cable
Connector:	XLR Male
Dimensions:	2-3/4" W x 3/4" H x 3-1/4" D
Product Weight:	11 oz.
Material:	Zinc die cast
Finish:	Matte black finish

Frequency Response Graph



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

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' cable
- 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

MOUNTS

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

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



MC27



WSGCU250



MAC



XLR25



MSM



SF4



SB6

Architect and Engineer Specifications

HDU250 - The microphone shall be a Bogen Model HDU250. It shall be a cardioid, dynamic handheld microphone with a frequency response of 50 Hz to 18 kHz and a 250-ohm impedance. The sensitivity shall be -72 dB (+/- 3dB) and the signal-to-noise ratio greater than 65 dB. It shall have a sliding-type on/off switch and a rubberized black finish. The HDU250 shall have an XLR Male connector. Dimensions shall be 7" D x 2" Dia. Weight shall be 13 oz.

HDU150 - The microphone shall be a Bogen Model HDU150. It shall be a cardioid, dynamic handheld microphone with a frequency response of 70 Hz to 15 kHz and a 500-ohm impedance. The sensitivity shall be -70 dB (+/- 3dB) and the signal-to-noise ratio greater than 65 dB. It shall have a sliding-type on/off switch and a rubberized black finish. The HDU150 shall have an XLR Male connector. Dimensions shall be 6-1/2" D x 1-1/2" Dia. Weight shall be 13 oz.

HDO100 - The microphone shall be a Bogen Model HDO100. It shall be an omni-directional, dynamic handheld microphone with a frequency response of 70 Hz to 15 kHz and a 500-ohm impedance. The sensitivity shall be -72 dB (+/- 3dB) and the signal-to-noise ratio greater than 65 dB. It shall have a silent on/off lockable reed switch and a rubberized black finish. The HDO100 shall have an XLR Male connector. Dimensions shall be 6-1/2" D x 1-1/2" Dia. Weight shall be 13 oz.

DDU250 - The microphone shall be a Bogen Model DDU250. It shall be a cardioid, dynamic desktop microphone with a frequency response of 100 Hz to 12 kHz and a 500-ohm impedance. The sensitivity shall be -76 dB (+/- 3dB) and the signal-to-noise ratio greater than 65 dB. It shall have a push-to-lock/push-to-talk switch and a matte black finish. It shall have a 10', 4-conductor, 2-shielded cable. Dimensions shall be 4-1/4" W x 18-1/4" H x 6-1/4" D. Weight shall be 3-1/2 lb.

GCU250 - The microphone shall be a Bogen Model GCU250. It shall be a cardioid, back electret condenser gooseneck microphone with a frequency response of 50 Hz to 18 kHz and a 250-ohm impedance. The sensitivity shall be -65 dB (+/- 3dB) and the signal-to-noise ratio greater than 65 dB. Max SPL @ 1% THD shall be greater than 130 dB. It shall have a non-glare black finish. The GCU250 shall have an XLR male type connector. It requires an external 9V - 52V DC phantom power source. Dimensions shall be 18-1/2" L. Weight shall be 4 ounces.

GDU150 - The microphone shall be a Bogen Model GDU150. It shall be a cardioid, dynamic gooseneck microphone with a frequency response of 100 Hz to 12 kHz and a 500-ohm impedance. The sensitivity shall be -75 dB (+/- 3dB) and the signal-to-noise ratio greater than 65 dB. It shall have a push-on/push-off talk switch mounted on its base and a non-glare black finish. The GDU150 shall have an XLR Male type connector. Dimensions shall be 16-3/4" L. Weight shall be 11 oz.

MGN19A - The microphone shall be a Bogen Model MGN19A dynamic-type, omni-directional microphone. Frequency response shall be uniform from 50 Hz to 12 kHz, with a presence boost at 1.5 kHz for natural, intelligible sound. Impedance shall be 500 ohms. A sealed push-to-talk microswitch shall be mounted on the microphone housing. The sensitivity shall be -70 dB (+/- 3dB). The microphone shall be furnished with a 19" black flexible gooseneck and mounting flange and five feet of rugged synthetic-jacketed 4-conductor, 2-shielded cable. The microphone shall have a black housing and screen and shall measure 5.5" long with a maximum diameter of 1.4". Removable set screws shall secure the front cap to the microphone and the microphone to the gooseneck. Dimensions shall be 23.66" L. Weight shall be 1.34 lb.

SCU250 - The microphone shall be a Bogen Model SCU250. It shall be a cardioid, back electret condenser boundary microphone with a frequency response of 20 Hz to 18 kHz and a 250-ohm impedance. The sensitivity shall be -58 dB (+/- 3dB) and the signal-to-noise ratio greater than 65 dB. It shall have a matte black finish and will require an external 9V - 52V DC phantom power source. It shall have a male XLR connector. Dimensions shall be 2-3/4" W x 3/4" H x 3-1/4" D. Weight shall be 11 oz.

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