BOGEN MICROPHONES
Models HDU250, HDU150, HDO100, 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 (DDU250) ................................................................................................. 3
Goosenecks (GDU250, GCU150) .......................................................................... 4-5
Boundary (SCU250) ................................................................................................ 6
Overhead (WCU250) .............................................................................................. 6
Accessories ........................................................................................................... 7
Architectural and Engineer Specifications ........................................................... 8

Description
The HDU250 is a dynamic microphone ideal for acoustically-demanding environments. It features a heavy zinc diecast 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/µBAR 1,000 Hz indicated by open circuit)

Polar Graph

Frequency Response Graph

54-5006-03I 1710
© 2003, 2017 Bogen Communications, Inc.
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 read switch
- Includes mic clip

**Specifications**

<table>
<thead>
<tr>
<th>MIC Type:</th>
<th>Handheld</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element:</td>
<td>Moving coil dynamic</td>
</tr>
<tr>
<td>Polar Pattern:</td>
<td>Omni-directional</td>
</tr>
<tr>
<td>Impedance:</td>
<td>500-ohm</td>
</tr>
<tr>
<td>Frequency Response:</td>
<td>70 Hz to 15 kHz</td>
</tr>
<tr>
<td>Sensitivity*:</td>
<td>-72 dB +/- 3 dB</td>
</tr>
<tr>
<td>S/N Ratio:</td>
<td>&gt;65 dB</td>
</tr>
<tr>
<td>Connector:</td>
<td>XLR Male</td>
</tr>
<tr>
<td>Switch:</td>
<td>With sliding-type on/off switch</td>
</tr>
<tr>
<td></td>
<td>(lockable, silent read switch)</td>
</tr>
<tr>
<td>Dimensions:</td>
<td>6-1/4” D x 1-1/8” Dia.</td>
</tr>
<tr>
<td>Product Weight:</td>
<td>13 oz.</td>
</tr>
<tr>
<td>Material:</td>
<td>Zinc die cast</td>
</tr>
<tr>
<td>Finish:</td>
<td>Rubberized black finish</td>
</tr>
</tbody>
</table>

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

**HDO100 - Public Address**

**Description**

The HDO 100 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 read switch
- Includes mic clip

**Specifications**

<table>
<thead>
<tr>
<th>MIC Type:</th>
<th>Handheld</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element:</td>
<td>Moving coil dynamic</td>
</tr>
<tr>
<td>Polar Pattern:</td>
<td>Omni-directional</td>
</tr>
<tr>
<td>Impedance:</td>
<td>500-ohm</td>
</tr>
<tr>
<td>Frequency Response:</td>
<td>70 Hz to 15 kHz</td>
</tr>
<tr>
<td>Sensitivity*:</td>
<td>-72 dB +/- 3 dB</td>
</tr>
<tr>
<td>S/N Ratio:</td>
<td>&gt;65 dB</td>
</tr>
<tr>
<td>Connector:</td>
<td>XLR Male</td>
</tr>
<tr>
<td>Switch:</td>
<td>With silent on/off switch</td>
</tr>
<tr>
<td>Dimensions:</td>
<td>6-1/4” D x 1-1/8” Dia.</td>
</tr>
<tr>
<td>Product Weight:</td>
<td>13 oz.</td>
</tr>
<tr>
<td>Material:</td>
<td>Zinc die cast</td>
</tr>
<tr>
<td>Finish:</td>
<td>Rubberized black finish</td>
</tr>
</tbody>
</table>

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

**Architect and Engineer Specifications**

**HDU250** - The microphone shall be a Bogen Model HDU250. It shall be a cardiod, dynamic handheld microphone with a frequency response of 50 Hz to 18 kHz and a 250-ohm impedance. The sensitivity shall be -72 dB (+/- 3 dB) and the signal-to-noise ratio greater than 65 dB. It shall have a push-to-lock/push-to-talk switch. The HDU250 shall be an XLR Male connector. Dimensions shall be 2-1/2” D x 2” Dia. Weight shall be 13 oz.

**HDO150** - The microphone shall be a Bogen Model HDO150. It shall be a cardiod, dynamic handheld microphone with a frequency response of 70 Hz to 15 kHz and a 250-ohm impedance. The sensitivity shall be -75 dB (+/- 3 dB) 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 HDO150 shall have an XLR Male connector. Dimensions shall be 6-1/4” D x 1-1/8” 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 250-ohm impedance. The sensitivity shall be -72 dB (+/- 3 dB) 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 HDO150 shall have an XLR Male connector. Dimensions shall be 6-1/4” D x 1-1/8” 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 250-ohm impedance. The sensitivity shall be -76 dB (+/- 3 dB) 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. The DDU250 shall have an XLR Male connector. Dimensions shall be 6-1/4” D x 1-1/8” Dia. Weight shall be 13 oz.

**GCU250** - The microphone shall be a Bogen Model GCU250. It shall be a cardioid, back electret condenser microphone with a frequency response of 100 Hz to 12 kHz and a 250-ohm impedance. The sensitivity shall be -76 dB (+/- 3 dB) and the signal-to-noise ratio greater than 65 dB. It shall have a matte black finish and will require an external 4V - 52V DC phantom power source. It shall have a male XLR connector. Dimensions shall be 2-1/2” W x 1” H x 3-1/2” D. Weight shall be 11 oz.

**GC250** - The microphone shall be a Bogen Model GC250. It shall be a cardioid, back electret condenser microphone with a frequency response of 100 Hz to 12 kHz and a 250-ohm impedance. The sensitivity shall be -76 dB (+/- 3 dB) and the signal-to-noise ratio greater than 65 dB. It shall have a matte black finish and will require an external 4V - 52V DC phantom power source. It shall have a female mini-XLR connector with a mini-XLR to standard XLR (male) adapter. Dimensions shall be 1-3/4” D x 1-1/8” Dia. Weight shall be 8 ounces.

**HDU** - The microphone shall be a Bogen Model HDU150. It shall be a cardioid, dynamic gooseneck microphone with a frequency response of 100 Hz to 12 kHz and a 250-ohm impedance. The sensitivity shall be -75 dB (+/- 3 dB) 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 HDU shall have an XLR Male type connector. Dimensions shall be 16-1/2” L. Weight shall be 11 oz.

**MGN19** - The microphone shall be a Bogen Model MGN19. It shall be an omni-directional, dynamic microphone. Frequency response shall be uniform from 50 Hz to 12 kHz, with a presence boost at 2 kHz for natural, intelligible sound. Impedance shall be 400 ohms. A sealed push-to-talk microswitch shall be mounted on the microphone housing. The sensitivity shall be -76 dB (+/- 3 dB). The microphone shall be furnished with a 19” chrome-plated flexible gooseneck and mounting flange and seven feet of rugged synthetic-jacketed 4-conductor, 2-shielded cable. The microphone shall have a black plastic cap and housing with chrome-plated screw and shall measure 4-1/2” long with a maximum diameter of 1-1/2”. Removable set screws shall secure the front cap to the microphone and the microphone to the gooseneck. Dimensions shall be 23-1/2” L. Weight shall be 1-1/8 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 -38 dB (+/- 3 dB) 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 2-1/2” W x 1-1/4” H x 3-1/2” D. Weight shall be 11 oz.

**WCU250** - The microphone shall be a Bogen Model WCU250 hanging microphone. It shall be a cardioid, back electret condenser microphone with a frequency response of 50 Hz to 18 kHz and a 250-ohm impedance. The sensitivity shall be -45 dB (+/- 3 dB) 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 with a connecting cable of 20’. It shall have a female mini-XLR connector with a mini-XLR to standard XLR (male) adapter. Dimensions shall be 1-3/4” D x 1-1/8” Dia. Weight shall be 8 ounces.
**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:** 4-1/2" W x 18-3/4" H x 6-1/2" 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)

---

**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

**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
  - 4-1/2" W x 1-1/2" H x 6" 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

**WINDSCREENS**

- **WSGCU250 - Windscreen for GCU250**
  - Foam windscreen for use with GCU250 microphone

---

**DDU250 - Dynamic Desktop**

**Polar Graph**

**Frequency Response Graph**

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

<table>
<thead>
<tr>
<th>MIC Type</th>
<th>Gooseneck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element</td>
<td>Moving coil dynamic</td>
</tr>
<tr>
<td>Polar Pattern</td>
<td>Cardioid</td>
</tr>
<tr>
<td>Impedance</td>
<td>500-ohm</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>100 Hz to 12 kHz</td>
</tr>
<tr>
<td>Sensitivity*</td>
<td>-73 dB +/- 3dB</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>&gt;65 dB</td>
</tr>
<tr>
<td>Connector</td>
<td>XLR Male</td>
</tr>
<tr>
<td>Switch</td>
<td>Push-on/push-off talk switch on base</td>
</tr>
<tr>
<td>Dimensions</td>
<td>16-1/8&quot; L (6-1/4&quot; adjustable lower stalk, with 8-1/2&quot; rigid upper section)</td>
</tr>
<tr>
<td>Weight</td>
<td>11 oz.</td>
</tr>
<tr>
<td>Material</td>
<td>Zinc</td>
</tr>
<tr>
<td>Finish</td>
<td>Non-glare black finish</td>
</tr>
</tbody>
</table>

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

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

Specifications

<table>
<thead>
<tr>
<th>MIC Type</th>
<th>Surface-mount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element</td>
<td>Back electret condenser</td>
</tr>
<tr>
<td>Polar Pattern</td>
<td>Cardioid</td>
</tr>
<tr>
<td>Impedance</td>
<td>250-ohm</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>20 Hz to 18 kHz</td>
</tr>
<tr>
<td>Sensitivity*</td>
<td>-58 dB +/- 3dB</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>&gt;65 dB</td>
</tr>
<tr>
<td>Connector</td>
<td>XLR Male</td>
</tr>
<tr>
<td>Phantom Voltage Req</td>
<td>9V - 52V DC</td>
</tr>
<tr>
<td>Cable</td>
<td>26 ft. quad cable</td>
</tr>
<tr>
<td>Dimensions</td>
<td>2-1/8&quot; W x 1-1/8 H x 3-1/8&quot; D</td>
</tr>
<tr>
<td>Product Weight</td>
<td>11 oz.</td>
</tr>
<tr>
<td>Material</td>
<td>Zinc die cast</td>
</tr>
<tr>
<td>Finish</td>
<td>Matte black finish</td>
</tr>
</tbody>
</table>

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

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/jet 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

<table>
<thead>
<tr>
<th>MIC Type</th>
<th>Gooseneck</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element</td>
<td>Back electret condenser</td>
</tr>
<tr>
<td>Polar Pattern</td>
<td>Cardioid</td>
</tr>
<tr>
<td>Impedance</td>
<td>500-ohm</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>100 Hz to 12 kHz</td>
</tr>
<tr>
<td>Sensitivity*</td>
<td>-73 dB +/- 3dB</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>&gt;65 dB</td>
</tr>
<tr>
<td>Connector</td>
<td>XLR Male</td>
</tr>
<tr>
<td>Switch</td>
<td>Push-on/push-off talk switch on base</td>
</tr>
<tr>
<td>Dimensions</td>
<td>16-1/8&quot; L (6-1/4&quot; adjustable lower stalk, with 8-1/2&quot; rigid upper section)</td>
</tr>
<tr>
<td>Weight</td>
<td>4 oz.</td>
</tr>
<tr>
<td>Material</td>
<td>Copper</td>
</tr>
<tr>
<td>Finish</td>
<td>Non-glare black finish</td>
</tr>
</tbody>
</table>

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

WCU250 - Overhead Hanging

Description
The WCU250 is an electret condenser professional microphone perfectly-suited for picking up audio from large groups. Because it can hang from the ceiling and is compact in size, the WCU250 is very useful in minimizing visual distraction for the performer and the audience alike, and limits intrusion into the working space. The WCU250 cable is terminated by a mini-XLR (female). A mini-XLR to standard XLR adapter (included) houses the pre-amplifier. It requires an external 9V - 52V DC phantom power supply.

Features
- Cardioid pickup pattern
- Utilizes a superior-quality, state-of-the-art transducer element and circuitry
- Transformerless, direct-coupled design to ensure clear, transparent reproduction of even the most delicate transients at the highest output levels
- Clear, crisp sound with outstanding ambient noise isolation
- Wide frequency response with excellent off-axis rejection
- Low profile, compact, hanging-type design
- Integrated metal hanger

Specifications

<table>
<thead>
<tr>
<th>MIC Type</th>
<th>Overhead hanging</th>
</tr>
</thead>
<tbody>
<tr>
<td>Element</td>
<td>Back electret condenser</td>
</tr>
<tr>
<td>Polar Pattern</td>
<td>Cardioid</td>
</tr>
<tr>
<td>Impedance</td>
<td>250-ohm</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>50 Hz to 18 kHz</td>
</tr>
<tr>
<td>Sensitivity*</td>
<td>-63 dB +/- 3dB</td>
</tr>
<tr>
<td>S/N Ratio</td>
<td>&gt;65 dB</td>
</tr>
<tr>
<td>Connector</td>
<td>Mini-XLR Female with Mini-XLR to standard XLR (Male) adapter</td>
</tr>
<tr>
<td>Cable</td>
<td>20 ft. quad cable</td>
</tr>
<tr>
<td>Dimensions</td>
<td>1-1/8&quot; D x 1/8&quot; Dia.</td>
</tr>
<tr>
<td>Product Weight</td>
<td>3 oz.</td>
</tr>
<tr>
<td>Material</td>
<td>Copper</td>
</tr>
<tr>
<td>Finish</td>
<td>Matte black finish</td>
</tr>
</tbody>
</table>

* (0dB=1V/μ BAR, 1,000 Hz indicated by open circuit)
**GCU250 - Condenser Gooseneck**

**Description**
The GCU250 is a high performance, partially-rigid, adjustable gooseneck condenser microphone capable of meeting the stringent demands of today's conference and PA systems. It is an intelligent choice for sound reinforcement applications. Its 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**
- 13-1/4” 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:** Moving coil dynamic
- **Polar Pattern:** Cardioid
- **Impedance:** 500-ohm
- **Frequency Response:** 50 Hz to 18 kHz
- **S/N Ratio:** >65 dB
- **Connector:** XLR Male
- **Switch:** Push-on/push-off talk switch on base
- **Dimensions:** 16-1/4” L (5-3/16” W x 3-3/4” H x 1-1/4” D)
- **Product Weight:** 11 oz.
- **Material:** Zinc die cast
- **Finish:** Matte black finish

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

**Polar 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 18” 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
- Shock-absorbing mount system to reject handling and cable noise
- Durable, 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:** Back electret condenser
- **Polar Pattern:** Cardioid
- **Impedance:** 250-ohm
- **Frequency Response:** 100 Hz to 12 kHz
- **S/N Ratio:** >65 dB
- **Connector:** XLR Male
- **Switch:** Push-on/push-off talk switch on base
- **Dimensions:** 16-1/4” L (5-3/16” W x 3-3/4” H x 1-1/4” D)
- **Product Weight:** 11 oz.
- **Material:** Zinc die cast
- **Finish:** Non-glare black finish

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

**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 source sound 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

**Specifications**
- **MIC Type:** Surface-mount
- **Element:** Back electret condenser
- **Polar Pattern:** Cardioid
- **Impedance:** 250-ohm
- **Frequency Response:** 20 Hz to 18 kHz
- **S/N Ratio:** >65 dB
- **Connector:** XLR Male
- **Dimensions:** 2-1/8” W x 1/2” H x 3-1/4” D
- **Product Weight:** 11 oz.
- **Material:** Zinc die cast
- **Finish:** Matte black finish

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

**WCU250 - Overhead Hanging**

**Description**
The WCU250 is an electret condenser professional microphone perfectly-suited for picking up audio from large groups. Because it can hang from the ceiling and is compact in size, the WCU250 is very useful in minimizing visual distraction for the performers and the audience alike, and it minimizes intrusion into the working space.

The WCU250 cable is terminated by a mini-XLR (female). A mini-XLR to standard XLR adapter (included) houses the pre-amplifier. It requires an external 9V - 52V DC phantom power supply.

**Features**
- Cardioid pickup pattern
- Utilizes a superior-quality, state-of-the-art transducer element and circuitry
- Transformerless, direct-coupled design to ensure clear, transparent reproduction of even the most delicate transients at the highest output levels
- Clear, crisp sound with outstanding ambient noise isolation
- Wide frequency response with excellent off-axis rejection
- Low profile, compact, hanging-type design
- Integrated metal hanger

**Specifications**
- **MIC Type:** Overhead hanging
- **Element:** Back electret condenser
- **Polar Pattern:** Cardioid
- **Impedance:** 250-ohm
- **Frequency Response:** 50 Hz to 18 kHz
- **S/N Ratio:** >65 dB
- **Connector:** Mini-XLR Female with Mini-XLR to standard XLR (Male) adapter
- **Dimensions:** 1-1/8” D x 1/4” Dia.
- **Product Weight:** 5 oz.
- **Material:** Copper
- **Finish:** Matte black finish

* (0dB=1V/μ BAR 1,000 Hz indicated by open circuit)
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: 4-1/2” W x 1-1/2” H x 6-3/4” D, 6 ounces

Material: Zinc die cast
Finish: Matte black

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

Description
The MGN19 is a push-button actuated, 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 plastic housing
- Contact closure leads

Specifications
MIC Type: Gooseneck
Element: Dynamic
Polar Pattern: Omni-directional
Impedance: 400-ohm
Frequency Response: 50 Hz to 12 kHz with 2 kHz boost
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: Plastic (housing); chrome gooseneck and mounting flange
Finish: Black plastic cap and housing; chrome gooseneck and mounting flange

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

**S/N Ratio:** >65 dB

**Connector:** XLR Male

**Switch:** With/without on/off switch (lockable, silent reed switch)

**Dimensions:** 6-3/4” D x 1-1/2” Dia.

**Product Weight:** 13 oz.

**Material:** Zinc die cast

**Finish:** Rubberized black finish

* (0dB=1μ BAR, 1 kHz indicated by open circuit)

---

**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
- Clear, clean 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:** Omni-directional

**Impedance:** 500-ohm

**Frequency Response:** 70 Hz to 15 kHz

**S/N Ratio:** >65 dB

**Connector:** XLR Male

**Switch:** With/without on/off switch (lockable, silent reed switch)

**Dimensions:** 6-1/8” D x 1-1/4” Dia.

**Product Weight:** 13 oz.

**Material:** Zinc die cast

**Finish:** Rubberized black finish

* (0dB=1μ BAR, 1 kHz indicated by open circuit)

---

**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.

**HDO150** - The microphone shall be a Bogen Model HDO150. 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 HDO150 shall have an XLR Male connector. Dimensions shall be 6-1/8” 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 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 DDU250 shall have an XLR Male connector. Dimensions shall be 1-1/4” D x 1-3/4” Dia. Weight shall be 13 oz.

**GDU100** - The microphone shall be a Bogen Model GDU100. 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/off talk switch mounted on its base and a non-glare black finish. The GDU100 shall have an XLR Male type connector. Dimensions shall be 1-1/4” L. Weight shall be 11 oz.

**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 -38 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 2-1/2” W x 1” H x 3-1/2” D. Weight shall be 11 oz.

**WCU250** - The microphone shall be a Bogen Model WCU250 hanging microphone. It shall be a cardioid, back electret condenser 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. It shall have a matte black finish and will require an external 9V - 52V DC phantom power source with a connecting cable of 20’. It shall have a female mini-XLR connector with a mini-XLR to standard XLR (male) adapter. Dimensions shall be 1-1/8” D x 1/16” L. Weight shall be 5 ounces.
BOGEN MICROPHONES
Models HDU250, HDU150, HDO100, 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 (DDU250) ............................................................................................. 3
Goosenecks (GDU250, GCU150, MGN19) ............................................................. 4-5
Boundary (SCU250) ............................................................................................. 6
Overhead (WCU250) ............................................................................................ 7
Accessories .......................................................................................................... 8

HDU250 - Professional Stage

Description
The HDU250 is a dynamic microphone ideal for acoustically-demanding environments. It features a heavy zinc diecast 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/plop 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
- 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)

Polar Graph

Frequency Response Graph

Specifications subject to change without notice.