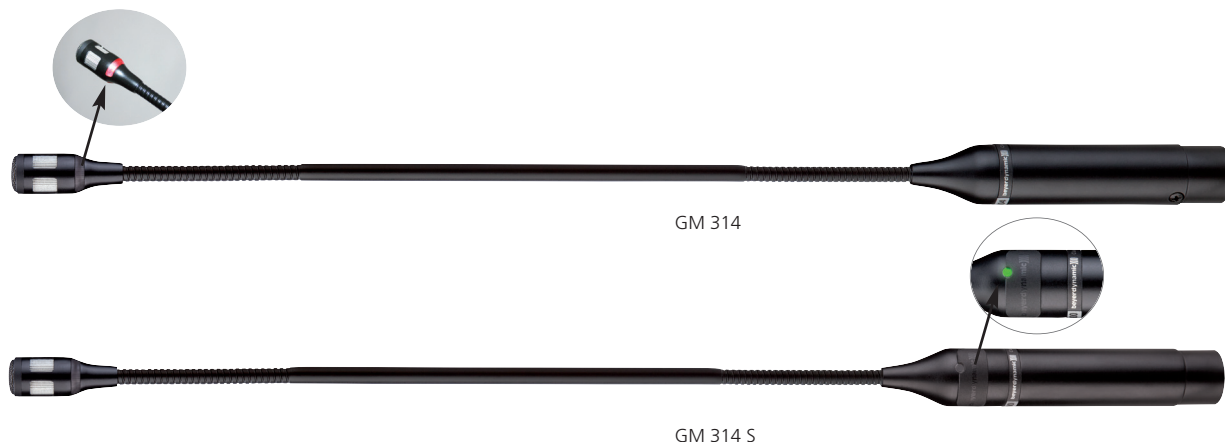


Classis GM 314 - 315

Gooseneck Microphones



FEATURES

- RFI-proof due to Scudio™ technology
- High sensitivity
- Excellent high gain before feedback
- Unobtrusive due to small dimensions
- Non-glare surface
- With LED ring
- S version with switch and power on LED
- Phantom power 8 - 52 volts
- Phantom power 48 volts (versions with switch)

VERSIONS

Classis GM 314	5-pin XLR plug, 400 mm [16"], LED ring	Order # 722.448
Classis GM 314 S	3-pin XLR plug, 400 mm [16"], LED ring and switch	Order # 723.231
Classis GM 314 E	5-pin XLR plug, 400 mm [16"], LED ring, without pre-amp, for installation with MCS 563 L, MCS 553 L, MCS-D 3643, incl. wind shield	Order # 489.581
Classis GM 315	5-pin XLR plug, 500 mm [20"], LED ring	Order # 722.456
Classis GM 315 S	3-pin XLR plug, 500 mm [20"], LED ring and switch	Order # 722.464
Classis GM 315 E	5-pin XLR plug, 500 mm [20"], LED ring, without pre-amp, for installation with MCS 563 L, MCS 553 L, MCS-D 3643, incl. wind shield	Order # 489.565

APPLICATIONS

The gooseneck microphones of the Classis series integrate cardioid electret microphones inside the very small microphone head. They can be used for all kinds of applications where a high-quality, but also discrete microphone is demanded. The LED ring displays the ready-to-talk status of the microphone. Due to the cardioid polar pattern this microphone has a high gain before feedback and provides highest intelligibility of speech. Therefore, the microphones are ideal for the use with lecterns, sound reinforcement applications, conferencing, high quality talkback and paging systems. All microphones feature the innovative Scudio™ technology, making the microphones absolutely insensitive to wireless communication devices such as mobile phones. The microphone is mounted on a 6 mm thick gooseneck and due to its mat black, non-glare surface almost invisible. The microphones can be powered with any phantom power source supplying 8 to 52 volts or 48 V when using microphone versions with switch.

SUPPLIED ACCESSORY

WS 302 B	Wind shield for Classis GM 302 - 3x5 (S), black	Order # 722.782
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OPTIONAL ACCESSORIES

ZSH 23 FT	Base plate with 3-pin XLR-socket and cable	Order # 464.902
ZSH 25 FT	Base plate with 5-pin XLR-socket and cable	Order # 464.910
ZSH 20	Shock-mounted holder for desktop installation	Order # 454.559

Classis GM 314 - 315

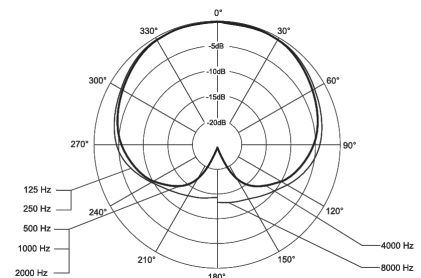
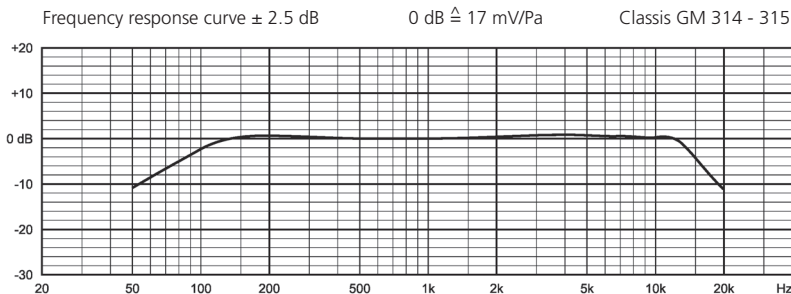
TECHNICAL SPECIFICATIONS

Transducer type Electret condenser
 Operating principle Pressure gradient
 Polar pattern Cardioid
 Frequency response 50 - 19,000 Hz
 Open circuit voltage 17 mV/Pa
 Nominal impedance < 200 Ω
 Load impedance ≥ 1 kΩ
 Signal to noise ratio / noise voltage 69 dB [A] / 6.0 μV [A]
 Max. SPL 107 dB [SPL @ 1% THD]
 Equivalent SPL 25 dB [A]
 Wiring GM 31x 5-pin male XLR
 Wiring GM 31x S 3-pin male XLR
 Supply voltage GM 31x Phantom power 8 - 52 V

Supply voltage GM 31x S Phantom power 48 V
 Current consumption GM 31x 2 mA
 Current consumption GM 31x S 9 mA
 Current consumption LED ring
 with internal series resistor of 500 Ω
 at 5 V supply voltage 6 mA
 at 12 V supply voltage 20 mA
 Dimensions
 Length depending on the version
 Head diameter 13.6 mm [0.5"]
 Gooseneck diameter 6 mm [0.2"]
 Shaft diameter 20 mm [0.8"]
 Weight depending on the version

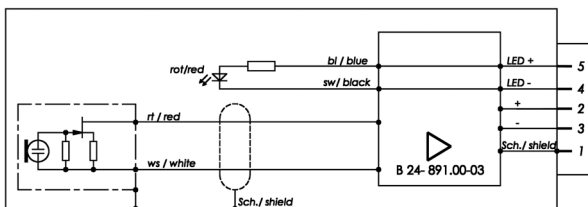
FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve (measuring tolerance ± 2.5 dB) and polar pattern correspond to a typical production sample for this microphone.

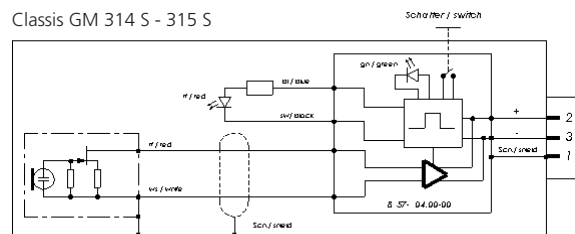


WIRING DIAGRAMS

Classis GM 314 - 315



Classis GM 314 S - 315 S



Classis GM 314 - 315 E

TECHNICAL SPECIFICATIONS

Classis GM 314 - 315 E

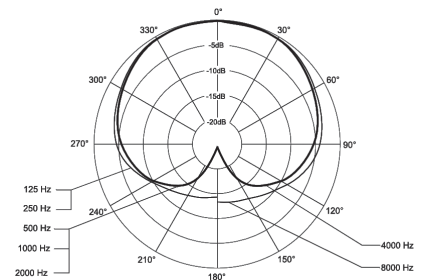
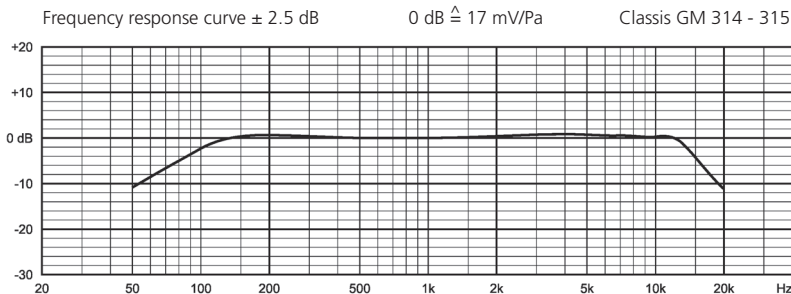
Transducer type Electret condenser
 Operating principle Pressure gradient
 Polar pattern Cardioid
 Frequency response 50 - 19,000 Hz
 Open circuit voltage 17 mV/Pa*
 Signal to noise ratio / noise voltage 69 dB [A] / 6,0 µV [A]*
 Max. SPL 107 dB [SPL @ 1% THD]*
 Equivalent SPL 25 dB [A]*
 Wiring GM 31x 5-pin XLR connector
 Current consumption LED ring
 with internal series resistor of 500 Ω
 at 5 V supply voltage 6 mA
 at 12 V supply voltage 20 mA

Dimensions

Length depending on the version
 Head diameter 13.6 mm [0.5"]
 Gooseneck diameter 6 mm [0.2"]
 Shaft diameter 20 mm [0.8"]
 Weight depending on the version
 Electrical parameters of the capsule
 with 2-pole connection without the
 CVE 305.18 power supply unit:
 Supply voltage 1.5 - 10 V
 Series resistor (recommended) 2.2 kohms
 Sensitivity approx. -47 dBV/Pa

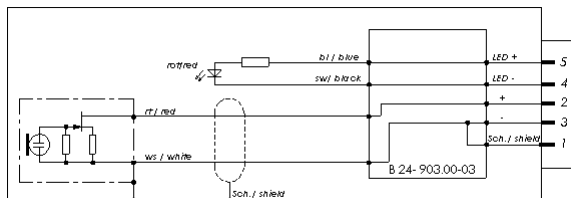
FREQUENCY RESPONSE & POLAR PATTERN*

This frequency response curve (measuring tolerance ± 2.5 dB) and polar pattern correspond to a typical production sample for this microphone.



WIRING DIAGRAM

Classis GM 314 E - 315 E

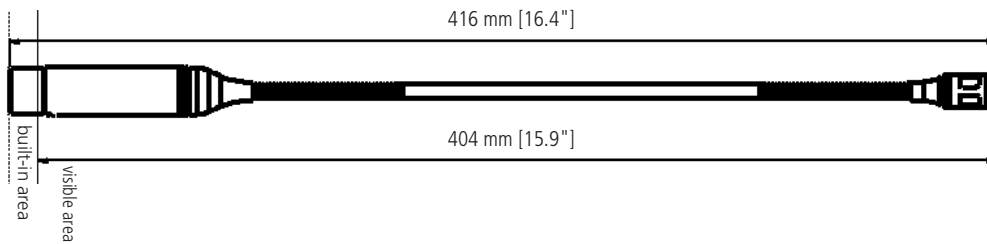


*measured with CVE 305.18 power supply

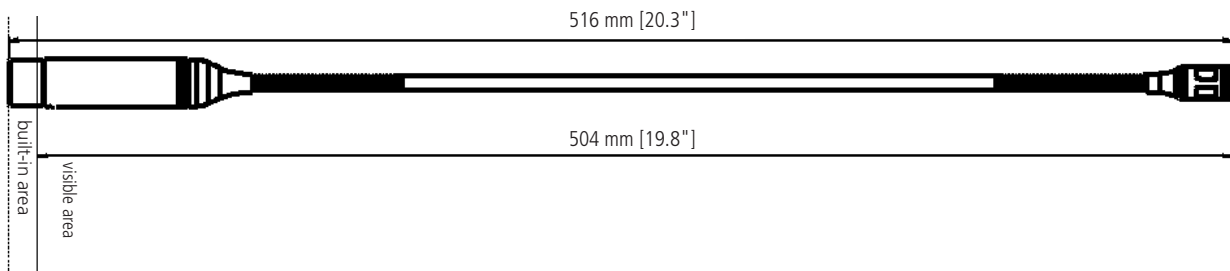
Classis GM 314 - 315

DIMENSIONS

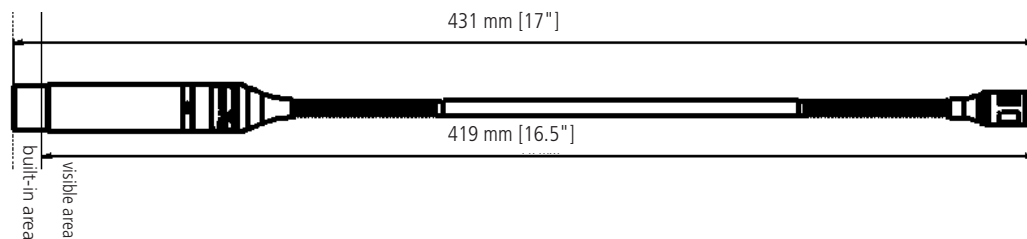
GM 314



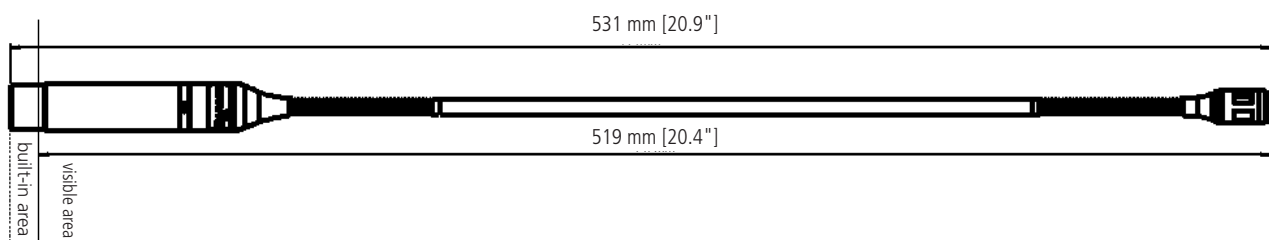
GM 315



GM 314 S



GM 315 S



Classis GM 314 - 315

ARCHITECT'S SPECIFICATIONS

The cardioid electret condenser microphone shall be used as a high-quality conference, paging and PA microphone. The phantom power shall be between 8 and 52 V. The filter in the microphone grille shall eliminate wind and pop noise. The microphone head shall be provided with an integrated LED ring with external supply. The SCUDIO® technology shall eliminate interferences of other wireless communication devices. The fully metal housing shall be non-glare and black. The microphone shall feature 2 x 6 mm [2 x 0.2"] goosenecks with a rigid tube in between and a total length of 416 mm [16.4"]. The microphone diameter shall be 13.6 mm [0.5"]. A pre-amplifier shall be integrated in the base and provided with a balanced signal output. The frequency response shall be 50 - 19,000 Hz. The open circuitvoltage shall be 17 mV/Pa. The nominal impedance shall be 200 ohms. The microphone shall be provided with a 5-pin male XLR connector. The net weight shall be 0.142 kg [0.313 lbs].

Manufacturer: beyerdynamic
Type: Classis GM 314

The cardioid electret condenser microphone shall be used as a high-quality conference, paging and PA microphone. The phantom power shall be 48 V. The filter in the microphone grille shall eliminate wind and pop noise. The microphone head shall be provided with an integrated LED ring with external supply. The SCUDIO® technology shall eliminate interferences of other wireless communication devices. The microphone shall feature a radial slide switch with two defined snap-in points and one green status LED. The fully metal housing shall be non-glare and black. The microphone shall feature 2 x 6 mm [2 x 0.2"] goosenecks with a rigid tube in between and a total length of 431 mm [17"]. The microphone diameter shall be 13.6 mm [0.5"]. A pre-amplifier shall be integrated in the base and provided with a balanced signal output. The frequency response shall be 50 - 19,000 Hz. The open circuit voltage shall be 17 mV/Pa. The nominal impedance shall be 200 ohms. The microphone shall be provided with a 3-pin male XLR connector. The net weight shall be 0.158 kg [0.348 lbs].

Manufacturer: beyerdynamic
Type: Classis GM 314 S

The cardioid electret condenser microphone shall be used as a high-quality conference, paging and PA microphone. The phantom power shall be between 8 and 52 V. The filter in the microphone grille shall eliminate wind and pop noise. The microphone head shall be provided with an integrated LED ring with external supply. The SCUDIO® technology shall eliminate interferences of other wireless communication devices. The fully metal housing shall be non-glare and black. The microphone shall feature 2 x 6 mm [2 x 0.2"] goosenecks with a rigid tube in between and a total length of 516 mm [20.3"]. The microphone diameter shall be 13.6 mm [0.5"]. A pre-amplifier shall be integrated in the base and provided with a balanced signal output. The frequency response shall be 50 - 19,000 Hz. The open circuitvoltage shall be 17 mV/Pa. The nominal impedance shall be 200 ohms. The microphone shall be provided with a 5-pin male XLR connector. The net weight shall be 0.156 kg [0.344 lbs].

Manufacturer: beyerdynamic
Type: Classis GM 315

The cardioid electret condenser microphone shall be used as a high-quality conference, paging and PA microphone. The phantom power shall be 48 V. The filter in the microphone grille shall eliminate wind and pop noise. The microphone head shall be provided with an integrated LED ring with external supply. The SCUDIO® technology shall eliminate interferences of other wireless communication devices. The microphone shall feature a radial slide switch with two defined snap-in points and one green status LED. The fully metal housing shall be non-glare and black. The microphone shall feature 2 x 6 mm [2 x 0.2"] goosenecks with a rigid tube in between and a total length of 531mm [20.9"]. The microphone diameter shall be 13.6 mm [0.5"]. A pre-amplifier shall be integrated in the base and provided with a balanced signal output. The frequency response shall be 50 - 19,000 Hz. The open circuit voltage shall be 17 mV/Pa. The nominal impedance shall be 200 ohms. The microphone shall be provided with a 3-pin male XLR connector. The net weight shall be 0.172 kg [0.379 lbs].

Manufacturer: beyerdynamic
Type: Classis GM 315 S