

# Classis GM 303 - 306

Gooseneck Microphones



GM 303



GM 305

## FEATURES

- Highest audio quality
- Sturdy and robust 6 mm gooseneck
- RFI-proof due to Scudio technology
- Excellent high gain before feedback
- High sensitivity
- Unobtrusive due to small dimensions
- Non-glare surface
- Phantom power 8 - 52 V

## VERSIONS

Classis GM 303	XLR plug, 300 mm [11.81"] . . . Order # 722.383
Classis GM 305	XLR plug, 500 mm [19.69"] . . . Order # 722.405
Classis GM 306	XLR plug, 600 mm [23.62] . . . Order # 724.246
Classis GM 305 T	5/8" internal thread / adapter to 3/8" and external thread M18x0.75, length 500 mm [19.69"], connecting cable 2.5 m [8.2 ft] with 4-pin female mini XLR connector, incl. CVE 305.18 pre-amp, ZSH 305 small base plate, wind shield, for Opus systems . . . . . Order # 722.421
Classis GM 305 TG	5/8" internal thread / adapter to 3/8" and external thread M18x0.75, length 500 mm [19.69"], connecting cable 2.5 m [8.2 ft] with 4-pin female mini XLR connector, ZSH 305 small base plate, wind shield, for TG 1000 system . . . . . Order # 727.571

## 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.

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.

## SUPPLIED ACCESSORIES

WS 302 B	Wind shield for Classis GM series, black . . . . . Order # 722.782
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## OPTIONAL ACCESSORIES

GMB 33 S	Microphone base with button, 3-pin XLR connection for Classis GM microphones with integrated pre-amp . . . . . Order # 725.242
GMS 32	Shock-mounted holder for desktop installation, 3-pin female XLR connector . . . Order # 729.582
ZSA 305	Mounting adapter for the use of Classis GM 305 T with ZSH 20 . . . . . Order # 723.037
ZSH 20	Shock-mounted holder for desktop installation . . . . . Order # 454.559

# Classis GM 303 - 306

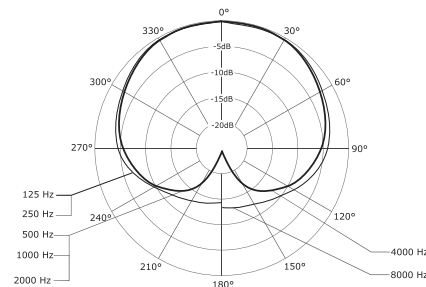
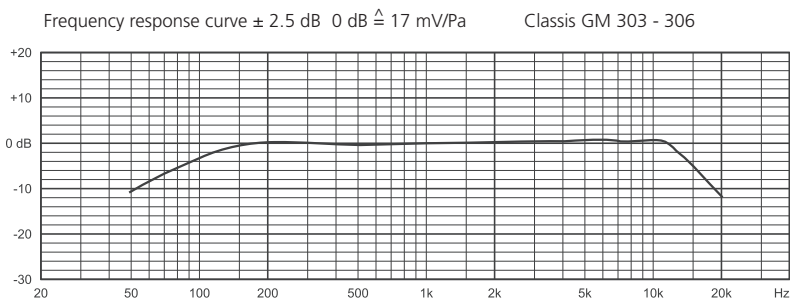
## TECHNICAL SPECIFICATIONS

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 30x/30x S	balanced with 3-pin XLR-plug

Wiring GM 305 T	balanced, 2.5 m [8.2 ft] long connecting cable with 4-pin female mini XLR connector for CVE 305.18 pre-amp with 3-pin XLR connector
Supply voltage GM 30x	Phantom power 8 - 52 V
Current consumption GM 30x	2 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

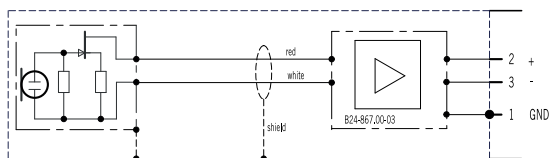
## FREQUENCY RESPONSE & POLAR PATTERN

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

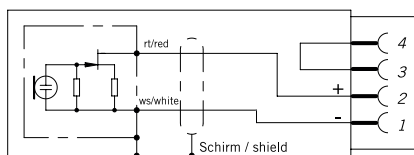


## WIRING DIAGRAMS

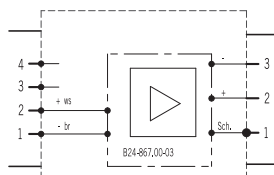
Classis GM 303 - 306



Classis GM 305 T



CVE 305.18

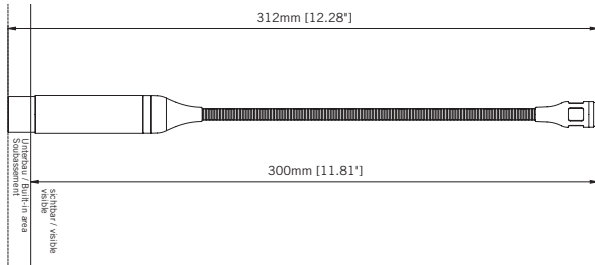


*br = braun / brown / brun  
 rt = rot / red / rouge  
 ws = weiß / white / blanc  
 Sch = Schirm / shield / écran*

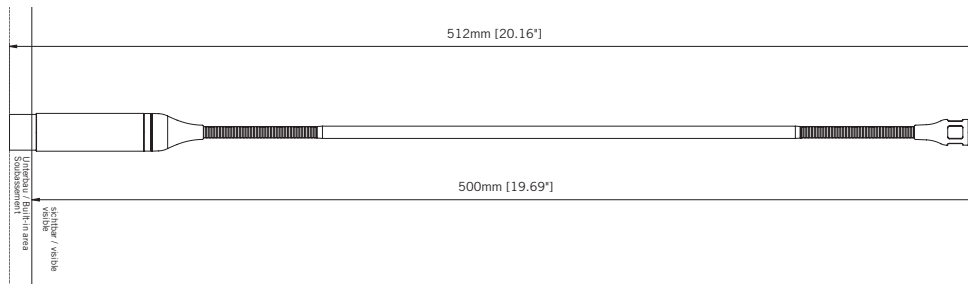
# Classis GM 303 - 306

## DIMENSIONS

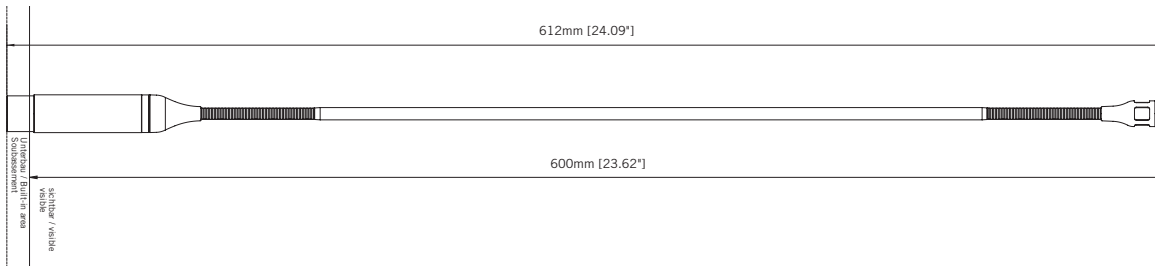
### Classis GM 303



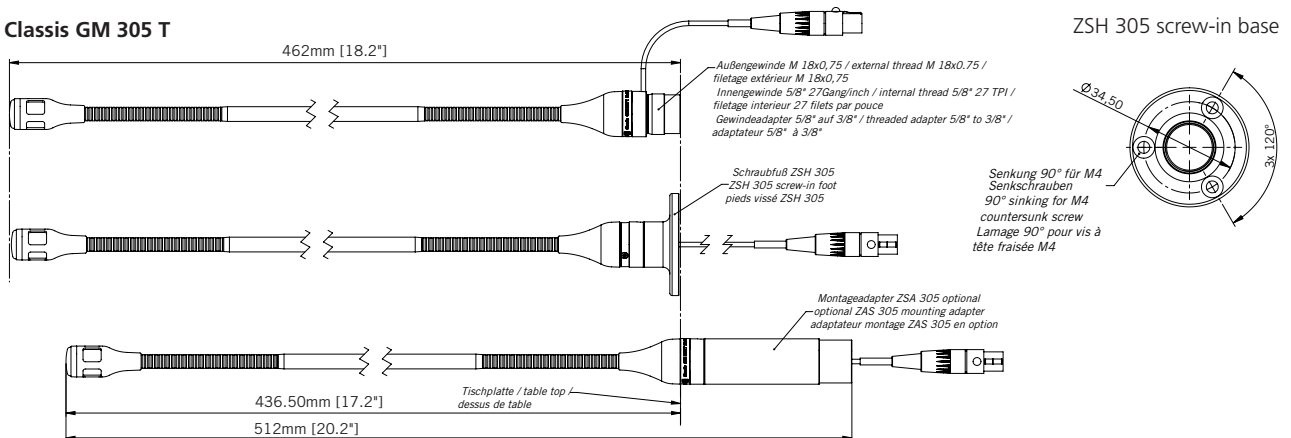
### Classis GM 305



### Classis GM 306



### Classis GM 305 T



# Classis GM 303 - 306

## ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The cardioid electret condenser microphone shall be used for high-quality conference, paging and PA applications. The phantom power shall be between 8 and 52 V. The filter in the microphone grille shall eliminate wind and pop noise. The microphone shall have an excellent RFI shielding and is immune to wireless communication devices. The conference microphone shall operate with a phantom power between 8 and 52 V. A preamp with electronically balanced signal output shall be integrated in the base. The gooseneck shall be 6 mm [0.24"] thin, black, free from reflection and completely made of metal. It shall be used for round table discussions, panel discussions, tele/video conferences, paging and lecterns. The microphone head shall have a diameter of 13.6 mm [0.5"]. The total length from the connector to the microphone shall be 300 mm [11.81"]. The frequency response shall be 50 to 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 XLR connector (male). The net weight shall be 0.132 kg [0.29 lbs].

Manufacturer: beyerdynamic  
Type: Classis GM 303

The cardioid electret condenser microphone shall be used for high-quality conference, paging and PA applications. The phantom power shall be between 8 and 52 V. The filter in the microphone grille shall eliminate wind and pop noise. The microphone shall have an excellent RFI shielding and is immune to wireless communication devices. The conference microphone shall operate with a phantom power between 8 and 52 V. A preamp with electronically balanced signal output shall be integrated in the base. The gooseneck shall be 6 mm [0.24"] thin, black, free from reflection and completely made of metal. It shall be used for round table discussions, panel discussions, tele/video conferences, paging and lecterns. The microphone head shall have a diameter of 13.6 mm [0.5"]. The total length from the connector to the microphone shall be 500 mm [19.69"]. The frequency response shall be 50 to 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 XLR connector (male). The net weight shall be 0.156 kg [0.34 lbs].

Manufacturer: beyerdynamic  
Type: Classis GM 305

The cardioid electret condenser microphone shall be used for high-quality conference, paging and PA applications. The phantom power shall be between 8 and 52 V. The filter in the microphone grille shall eliminate wind and pop noise. The microphone shall have an excellent RFI shielding and is immune to wireless communication devices. The conference microphone shall operate with a phantom power between 8 and 52 V. A preamp with electronically balanced signal output shall be integrated in the base. The gooseneck shall be 6 mm [0.24"] thin, black, free from reflection and completely made of metal. It shall be used for round table discussions, panel discussions, tele/video conferences, paging and lecterns. The microphone head shall have a diameter of 13.6 mm [0.5"]. The total length from the connector to the microphone shall be 600 mm [23.62"]. The frequency response shall be 50 to 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 XLR connector (male). The net weight shall be 0.167 kg [0.37 lbs].

Manufacturer: beyerdynamic  
Type: Classis GM 306

The cardioid electret condenser microphone shall be used for high-quality conference, paging and PA applications. A filter in the microphone grille shall suppress wind and pop noise. The microphone shall have an excellent RFI shielding and is immune to wireless communication devices. The conference microphone shall operate without a pre-amp with a powering of 5 V. The microphone shall feature two flexible goosenecks with a rigid tube in between. The housing shall be black, free from reflections and completely made of metal. It shall be used for round table discussions, panel discussions, tele/video conferences, paging and lecterns. The microphone head shall have a diameter of 13.6 mm [0.5"]. For the installation there shall be an M18x075 external thread and a 5/8" internal thread available. A 5/8" to 3/8" threaded adapter, a screw-in base for desktop installations and a screw-type thread cover with cable outlet shall be available. The total length from the mounting thread to the microphone shall be 462 mm [18.19"] without mounting adapter. The frequency response shall be 50 to 19,000 Hz. The open circuit voltage shall be 17 mV/Pa. The nominal impedance shall be 200 ohms. The connecting cable shall be 2.5 m [8.2 ft] long with a 4-pin mini XLR connector (female). The net weight shall be 0.147 kg [0.32 lbs].

Manufacturer: beyerdynamic  
Type: Classis GM 305 T