EM-800

GOOSENECK MICROPHONE

The EM-800 is a slim, high-quality, cardioid condenser microphone designed for use in conference rooms, lecture halls, and paging applications. It can be easily plugged into a dedicated optional ST-800 Microphone Stand.

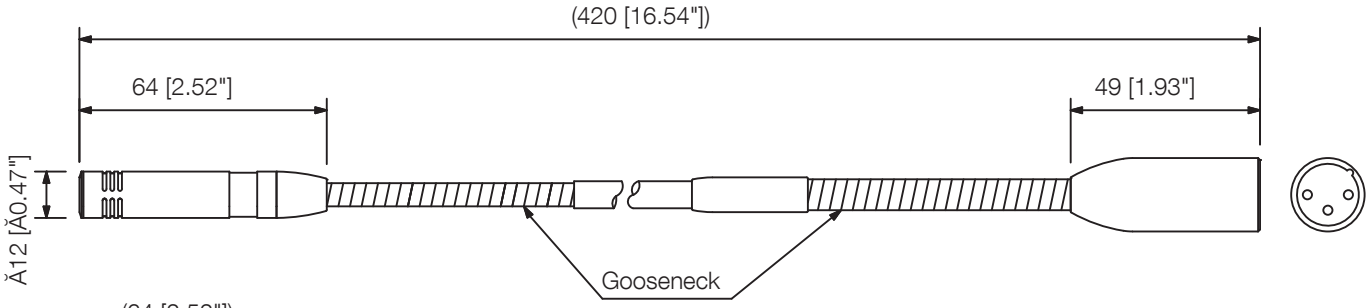
Key features

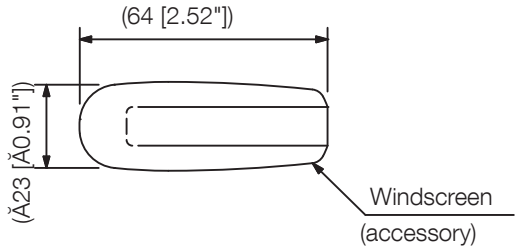
- Gooseneck Microphone for speech applications
- Excellent high-frequency response delivers clear output
- High sensitivity provides a satisfying tonal response
- Gooseneck with two adjustment points allows more flexible microphone positioning angles
- Rejection of undesirable off-axis sound minimizes possible feedback
- Optional microphone stand available

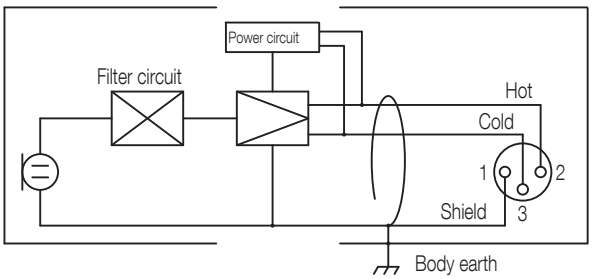
Specifications

Element	Electret condenser
Phantom Power	9 - 52 V DC
Polar Pattern	Cardioid
Impedance	120 Ω, balanced
Sensitivity	-35 dB (1 kHz 0 dB=1 V/Pa)
Frequency Response	60 Hz - 20 kHz
Output Terminal	XLR-3-12 equivalent
Operating Temperature	0 °C to +40 °C (32 # to 104 #)
Finish	Body, Shaft: Copper alloy, black, semi-gloss, paint
Dimensions	Ø12 x 420 mm (Ø0.47 x 16.54")"
Weight	135 g (0.3 lb)
Included Accessories	Windscreen …1
Compatible Stand	Microphone Stand: ST-800 (option) # The EM-800 requires 9 - 52 V DC phantom power for operation.

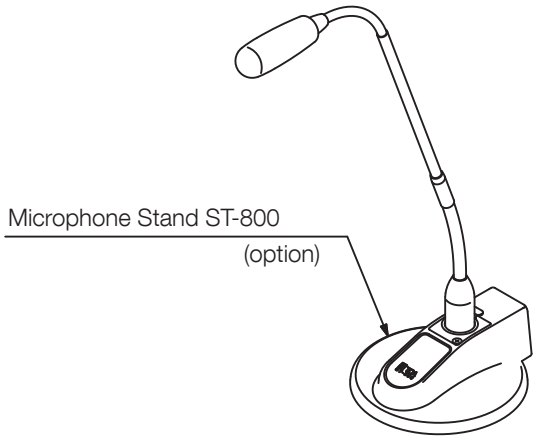
Dimensions







Circuit diagram



Mounting example

UNIT:mm SCALE:1/2

A&E specifications

The slim gooseneck microphone shall have a unidirectional electret condenser microphone element. The cardioid pickup pattern shall have a high degree of sensitivity, and undesirable off-axis sound rejection to minimize potential feedback. Frequency response shall be 60 Hz to 20 kHz. Rated impedance shall be 120 ohm, balanced, and rated sensitivity shall be –35 dB (1 kHz 0 dB=1 V/Pa). The microphone shall be powered by any phantom power source supplying 9 – 52 volts. The output connector shall be XLR-3-12 equivalent. Operating temperature shall be 0° C to +40° C (32° F to 104° F). Body and shaft finish shall be copper alloy, with black semi-gloss paint. Dimensions shall be ø12 x 420 mm (ø0.47" x 16.54"), and weight shall be 135 g (0.3 lbs.). A windscreen shall be provided as an accessory. Two gooseneck adjustment points shall provide more flexible microphone positioning angles. A windscreen shall be provided as an accessory. The microphone shall be able to be plugged into an optional dedicated microphone stand. The microphone shall provide clear and high-quality sound, and be well-suited for conferences, lectures, and paging applications.
The gooseneck microphone shall be TOA model EM-800.
The microphone stand shall be TOA model ST-800.