

EM-800 Gooseneck Microphone



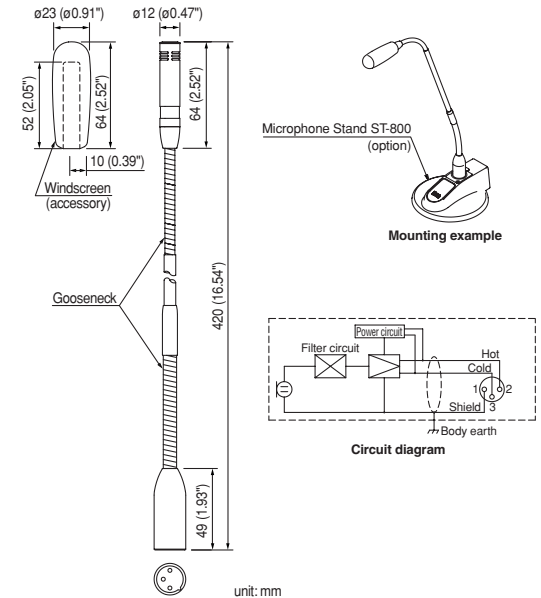
DESCRIPTION

The TOA EM-800 microphone is designed to meet the demands of speech applications at meetings, lectures, and religious services. Its electret condenser microphone element has a cardioid pickup pattern with a high degree of sensitivity, as well as off-axis undesirable sound rejection that minimizes potential feedback. The EM-800 features excellent high-frequency response, for clear audio output even when broadcasting through a PA system. Enhanced versatility is provided by a gooseneck design with two adjustment points for flexible and more precise microphone setting angles.

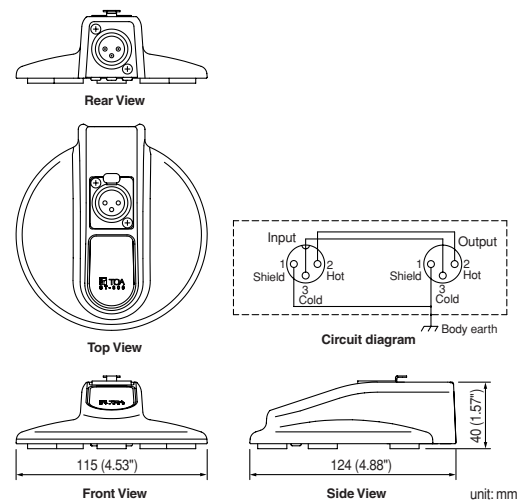
FEATURES

- Ideal for such speech applications as meetings, lectures, and religious services.
- Electret condenser microphone element with cardioid pattern for focused pickup.
- Excellent high-frequency response of 60 – 20k Hz delivers clear output even through a PA system.
- High sensitivity (–35dB) 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.
- Phantom power range of 9 to 52 volts enhances operational versatility.

APPEARANCE AND DIMENSIONAL DIAGRAM



ST-800 Microphone Stand



Input Connector	XLR-3-31 equivalent
Output Connector	XLR-3-32 equivalent
Finish	Die-cast zinc, black, mat finish, paint
Dimensions	115 (W) x 40 (H) x 124 (D)mm (4.53" x 1.57" x 4.88")
Weight	715g (1.58 lb)

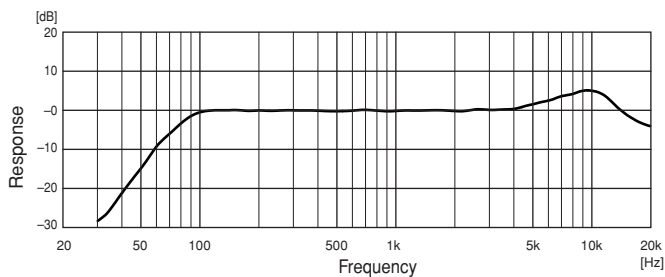


SPECIFICATIONS

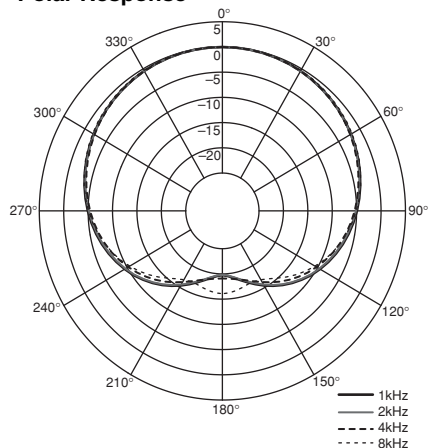
Element	Electret condenser
Polar Pattern	Cardioid
Rated Impedance	120Ω, balanced
Rated Sensitivity	-35 dB (1kHz 0dB = 1V/Pa)
Phantom Power	9 – 52V DC
Frequency Response	60 Hz – 20kHz
Output Connector	XLR-3-12 equivalent
Operating Temperature	0°C to +40°C (32°F to 104°F)
Finish	Body, Shaft: Copper alloy, black, semi-gloss, paint
Dimensions	ø12 × 420mm (ø0.47" × 16.54")
Weight	135g (0.3 lb)
Accessory	Windscreen x 1
Applicable Stand	Microphone Stand: ST-800 (option)

CHARACTERISTIC DIAGRAMS

Frequency Response



Polar Response



ARCHITECTURAL AND ENGINEERING 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 Ω, 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 × 420 mm (ø0.47" × 16.54"), and weight shall be 135 g (0.3 lb). 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.