EM-800
Gooseneck Microphone

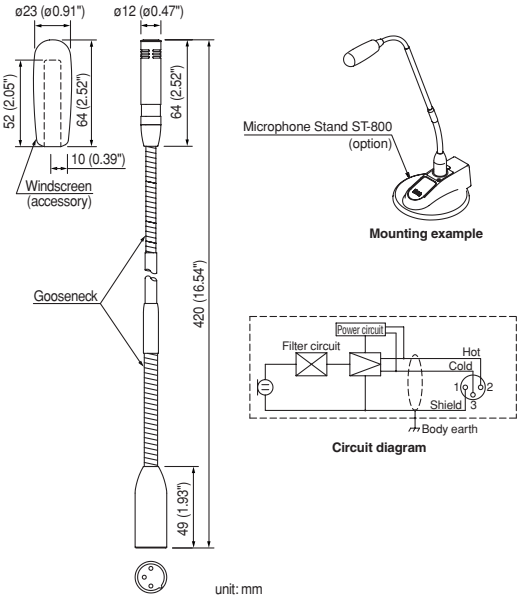
DESCRIPTION

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.

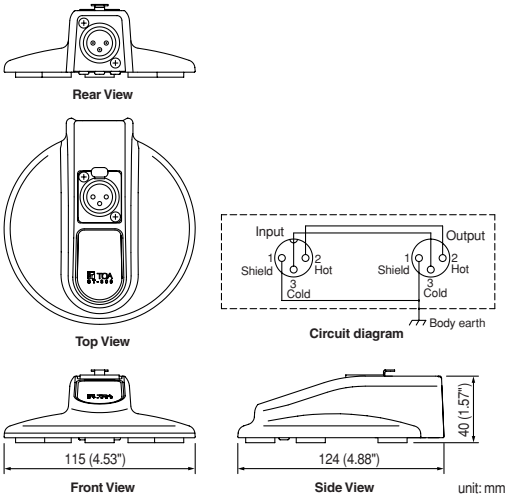
FEATURES

- 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)

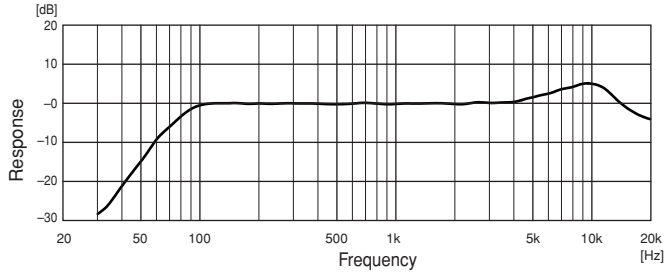
TOA

SPECIFICATIONS

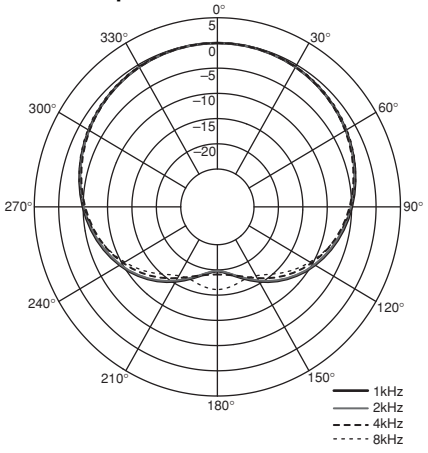
Element	Electret condenser
Polar Pattern	Cardioid
Rated Impedance	120Ω, balanced
Rated Sensitivity	–35 dB (1kHz 0dB = 1V/Pa)
Phantom Power	9 – 52V DC
Frequency Response	60 Hz – 20kHz
Output Connector	XLR-3-12 equivalent
Operating Temperature	0°C to +40°C (32°F to 104°F)
Finish	Body, Shaft: Copper alloy, 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.

TOA Corporation
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Specifications are subject to change without notice.
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