



DM-Series / EM-Series

Microphones



Turn **every**
performance
into an event.



TOA manufactures a large range of microphones for a variety of applications, each unique in its characteristics.

Most importantly, TOA microphones are reliable and reproduce sound transmission at optimal levels, even improving the speech intelligibility of sub-standard audio systems.

Easy to install and use, the TOA range of microphones instils confidence in installers and users.



Dynamic Microphones / **DM-880**



Features

- Dynamic microphone for professional applications
- Designed to reduce switching and handling noises
- It is ideal for multi-purpose event locations and voice applications
- Body constructed of metal die-cast

Options

- ST-65A: Low Desk Stand
- ST-66A: High Desk Stand)
- ST-321B, ST-322B: Microphone Stands

Applications

- Speech
- Vocal

Specifications

	DM-880-EB
Type	Moving coil microphone
Directivity	Hyper-cardioid
Rated Impedance	250 Ω , balanced
Rated Sensitivity	-52 dB $\pm$ 3dB (0dB = 1V/Pa, 1kHz)
Frequency Response	70Hz – 17 kHz
Talk Switch	Short-off circuit type, slide on/off switch
Finish	Body: Die cast zinc, painted black / Head: Steel wire, painted black
Dimensions ($\varnothing$ x L)	54mm $\varnothing$ x 174 mm
Weight	344 g (without connection cable)
Accessory included	Connection cable (XLR female - phone plug unbalanced 5m; morcophone holder (5/8")

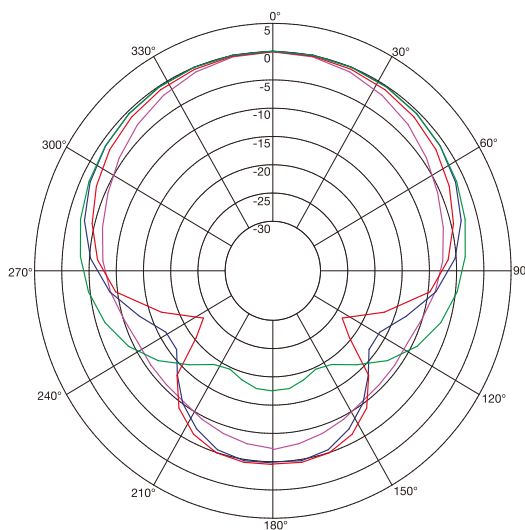
Dynamic Microphone/**DM-880**

The DM-880-EB is a professional, low input impedance, hyper-cardioid and hand held dynamic microphone. It is suitable both for general use and vocal application. Its body is rigidly constructed of metal die-cast and designed to reduce switching and handling noise.

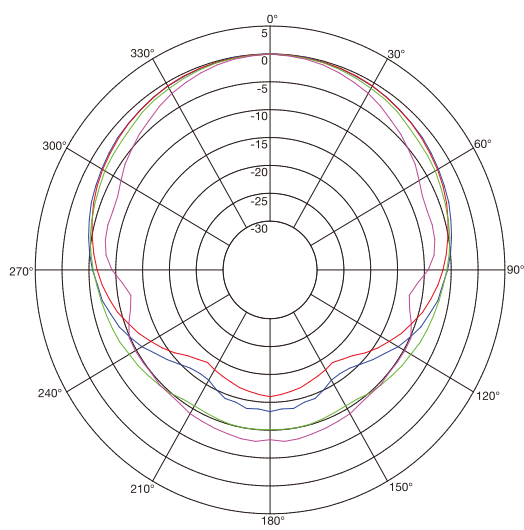
FEATURES

- Dynamic microphone for professional applications
- Designed to reduce switching and handling noises
- It is ideal for multi-purpose event locations and voice applications
- Body constructed of metal die-cast

DM-880-EB



BASIC MICROPHONE



APPLICATIONS



Lectures and seminars



Speech



Hotels, Conference halls, Event locations



Education: schools, universities

Dynamic Microphones/ **DM-1100/DM-1300/DM-1200/DM-1200D**



DM-1100



DM-1300



DM-1200



DM-1200D

Features

- Dynamic hand-held microphones
- Switching and handling noise suppression
- DM-1100 has 7.5m cable with phone plug
- DM-1300 with (balanced) XLR-connector has 10 m cable with (unbalanced) phone plug
- DM-1200 has XLR-connector and a 10m cable with phone plug
- DM-1200D comes with a remote control function to activate amplifiers power or chime unit and with a 5m cable with 5-pin DIN plug
- Adapter for stand mounting is provided

Options

- ST-65A: Low Desk Stand
- ST-66A: High Desk Stand

Applications

- DM-1100: Paging
- DM-1300: Speech, vocal
- DM-1200: For daily use for presentation, performance or paging
- DM-1200D: For PA-System and paging (e.g. with pre-announcement gong)

Specifications

	DM-1100	DM-1300	DM-1200	DM-1200D
Type	Dynamic microphone			
Directivity	Unidirectional			
Rated Impedance	600Ω, unbalanced	600Ω, balanced		
Rated Sensitivity	-55 dB (1 kHz 0dB = 1 V/Pa)	-54 dB (1 kHz 0dB = 1 V/Pa)	-55 dB (1 kHz 0dB = 1 V/Pa)	
Frequency Response	100Hz – 12kHz	70Hz – 15kHz	50Hz – 12kHz	
Talk Switch	Short-off type, slide on/off switch			
Finish	Body: Die cast aluminium, painted black / Head: ABS resin, black/zinc plated steel wire, painted black	Body: Die cast zinc, painted metallic gray Head: Aluminium, zinc plated steel wire, painted metallic gray		
Dimensions (ø x L)	55 x 178 mm	51 x 170 mm	39.5 x 163 mm	
Weight	155g	245g	265g	

Dynamic Microphones/**DM-1500**



Features

- Robust diecast zinc microphone body
- Short type slide on/off switch reduces handling noise
- XLR-connector (balanced) and 10m cable with phone plug
- Adapter for stand mount is provided

Options

- ST-65A: Low Desk Stand
- ST-66A: High Desk Stand)
- ST-321B, ST-322B: Microphone Stands

Applications

- Speech
- Vocal

Specifications

	DM-1500
Type	Dynamic microphone
Directivity	Cardioid
Rated Impedance	600Ω, balanced
Rated Sensitivity	-56 dB (1 kHz 0dB = 1 V/Pa)
Frequency Response	70Hz – 15kHz
Talk Switch	Short-off type, slide on/off switch
Finish	Body: Die cast zinc, painted metallic gold / Head: Brass and zinc plated steel wire, painted metallic gold
Dimensions (ø x L)	40.5 x 173 mm
Weight	280g

Dynamic Microphones/**DM-524B /DM-524S**



DM-524B



DM-524S

DM-524B/DM-524S

- Flexible and durable goosenecks
- Suppresses handling noise
- DM-524S has a built-in On/Off switch
- 600Ω, balanced
- 3-pin connector

Options

- ST-73A: Microphone Stand

Applications

- Lecture desk
- Paging

Specifications

	DM-524B	DM-524S
Type	Dynamic microphone	
Directivity	Cardioid	
Rated Impedance	600Ω, balanced	
Rated Sensitivity	-56 dB (1 kHz 0 dB = 1 V/Pa)	
Frequency Response	100Hz – 10kHz	
Switch	-	ON/OFF switch
Finish	Microphone Body: Gold, sparkling paint / Gooseneck, Shaft: Nickel-pear skin-plating	
Dimensions (ø x L)	40 x 532 mm	40 x 557 mm
Weight	465g	475g

Condenser Microphones/**EM-410/EM-800**



EM-410



EM-800



(Mit Mikrofonstativ: ST-800)

EM-410

- Lavalier Microphone for voice-oriented applications
- Provides the best performance when attached to a chest such as shirt front
- Minimises noise pickup from clothes rustling and cables
- Capsule rotates 360 degrees, for optimal pickup even when worn on a lapel
- Cable length: 5m

EM-800

- 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 (ST-800)

Applications

- Houses of worship
- Meeting rooms
- Lectures
- Presentations

Specifications

	EM-410	EM-800
Type	Electret condenser microphone	
Directivity	Hyper-cardioid	Cardioid
Rated Impedance	120Ω, balanced	
Phantom Power	9 – 52 VDC	
Rated Sensitivity	-45 dB (1 kHz 0 dB = 1 V/Pa)	-35 dB (1 kHz 0 dB = 1 V/Pa)
Frequency Response	100Hz – 15 kHz	60Hz – 20 kHz
Output Connector	Balanced-phone plug	XLR-3-12 equivalent
Finish	Copper alloy, black, semi-gloss, paint	
Dimensions (ø x L)	8.9 x 28.6 mm (cord excluded)	12 x 420 mm (cord excluded)
Weight	100g	135g

Boundary Microphones/**EM-600/EM-700**



EM-600



EM-700

EM-600

- Flush-Mount Boundary Microphone
- Wide frequency range provides well-balanced sound with clarity and a satisfying tonal response
- Unobtrusive design allows easy flush-mounting in walls, ceilings, and desktops
- Optimized to deliver best performance when used on a desk or attached to a ceiling
- A 50Hz low-cut filter reduces intrusive noise, such as air conditioner rumble or door opening/closing
- Two rubber isolation rings provided as an accessory serving to reduce vibration

EM-700

- Design, optimized to deliver best performance when used on a desk
- Slim, stylish design suits interior decor
- Rejection of undesirable off-axis sound minimizes possible feedback
- Low-cut filter switch prevents interference from ambient noise from being picked up
- Wide frequency range provides well-balanced sound with clarity and a satisfying tonal response

Applications

- EM-600
- Conference room recording
 - Security monitoring

- EM-700
- Speech
 - Recording

Specifications

	EM-600	EM-700
Type	Flush-Mount Boundary Microphone	Boundary Microphone
Directivity	Omnidirectional	Cardioid
Rated Impedance	120Ω, balanced	
Phantom Power	9 – 52VDC	
Rated Sensitivity	-36 dB (1k Hz 0 dB = 1 V/Pa)	
Frequency Response	30Hz – 20kHz	35Hz – 20kHz
Connector	XLR-3-12 or equivalent	XLR-3-12 or equivalent, Cable length: 7.5m
Finish	Body: Steel, white, semi-gloss, paint Head: Zinc-plated steel wire, white, semi-gloss, paint	Body: Die-cast aluminium, black, mat finish, paint Punched net: Surface-treated steel plate, black, mat finish, paint
Dimensions	28 x 68 mm (ø x L)	83 x 23 x 83 mm (W x H x D)
Weight	85g	290g

Condenser Microphones/**EC-380/ EM-380**



EC-380



EM-380

EC-380

- Integrated pre- and post-announcement chime
- 500 mm goose neck microphone with robust stand
- Selectable power source (battery, optional AC-mains adapter or via RJ45-cable)
- Blue lightning ring on the microphone indicates ready for speaking
- On/off switch instead of PTT button
- RJ45 connector for audio signal, contact and power

EM-380

- 500mm microphone with stable base
- Power option selectable (battery or phantom)
- Blue LED indicator
- On / off switch for hands-free operation during speech

Applications

- Houses of worship
- Law courts and conference halls
- Lecture halls
- Supermarkets

Specifications

	EC-380-EB	EM-380-EB
Transducer type / Element	Elektret condensor capsule	Condenser Microphone
Polar Pattern	Cardioid	
Rated Impedance	600Ω, balanced	750Ω, Balanced
Rated Sensitivity	-41dB (1 kHz 0dB=1V/Pa), Chime -31dB (max. volume)	-41dB (1 kHz 0dB=1V/Pa)
Power Supply	6V DC (4x AA batteries), optional AC-adapter or via cable	3V DC (2 x "AA" batteries) or Phantom power (9 - 52V)
Frequency Response	50 Hz - 18,000 Hz	50 Hz - 16,000 Hz
Output Connector	XLR, RJ45	XLR-3-32 Equivalent
Operating Temperature	0 °C - 40 °C (32°F - 104 °F)	
Finish	Mic Stand: ABS Resin, Black, Paint Mic Shaft: Copper alloy, Black, Paint	
Dimensions	110 (W) x 145 (D) x 532 (H) mm (4.3" x 5.7" x 20.9")	
Weight	558g (w/o batteries)	550g (w/o batteries)
Accessory	Windscreen x1, 7.5 m cable with XLR and phone plug x1	Windscreen x 1, XLR to Phone Jack Cable (7.5m) x 1



We supply sound, not equipment.
www.toa.eu



TOA Electronics Europe GmbH
www.toa.eu

The technical specifications may contain errors
and are subject to change without notice.
Printed in Germany (2008) L833TEECXXX QJ