



# 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 $\Omega$ , 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")) |

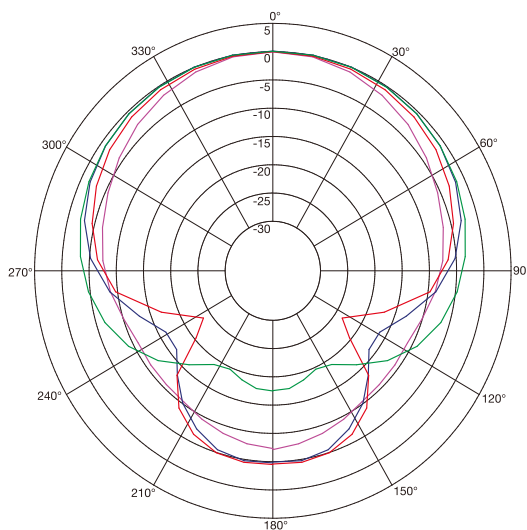
# Dynamic Microphone/**DM-880**

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.

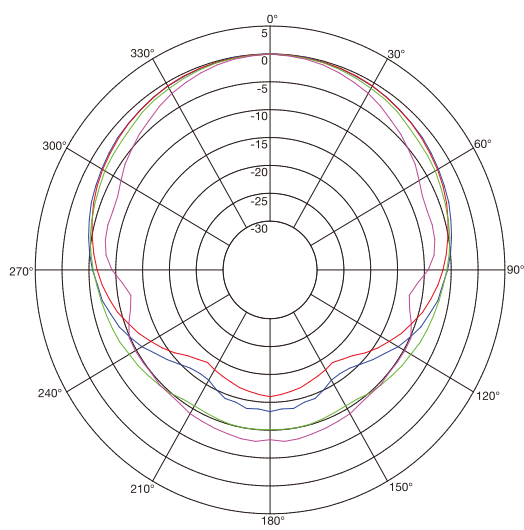
## FEATURES

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- 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<br>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<br>Head: Zinc-plated steel wire, white, semi-gloss, paint | Body: Die-cast aluminium, black, mat finish, paint<br>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<br>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.**  
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