1. SAFETY PRECAUTIONS

- Before installation or use, be sure to carefully read all the instructions in this section for correct and safe operation.
- Be sure to follow all the precautionary instructions in this section, which contain important warnings and/or cautions regarding safety.
- After reading, keep this manual handy for future reference.

2. GENERAL DESCRIPTION

The EM-600 is an omnidirectional condenser microphone of only 28 mm (1.1”) in diameter. It can be flush-mounted into a ceiling, wall, or desk, making it unobtrusive.

3. FEATURES

- Realizes optimum acoustic characteristics suitable for sound pick-up when flush-mounted into a ceiling or wall.
- Provides clear, easy-to-listen-to, high-quality sound.

4. HANDLING PRECAUTIONS

- Be sure to turn off the phantom power switch on the equipment that the unit is connected to before connecting or disconnecting the unit. As doing otherwise may cause loud noise or damage to the unit or connected equipment.
- Avoid installing the unit in humid or dusty locations, in locations exposed to the direct sunlight, near the heaters, or in locations generating sooty smoke or steam as doing otherwise may result in unit failure.
- Take care not to drop the unit onto the floor nor bump it against a hard object as the unit could fail.
- Avoid using a mobile telephone near the microphone in use. Noise could be picked up.
- To clean, be sure to first disconnect the connection cable, then wipe with a dry cloth. When the unit gets very dirty, use a cloth damped in a neutral cleanser. Never use benzene, thinner, alcohol, or chemically-treated cleaning cloth because such volatile liquids could deform or discolor the unit.

5. SPECIFICATIONS

<table>
<thead>
<tr>
<th>Element</th>
<th>Electret condenser</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polar Pattern</td>
<td>Omnidirectional</td>
</tr>
<tr>
<td>Rated Impedance</td>
<td>120 Ω, balanced</td>
</tr>
<tr>
<td>Rated Sensitivity</td>
<td>-36 dB (0 dB = 1 V/Pa, 1 kHz)</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>30 Hz – 20 kHz</td>
</tr>
<tr>
<td>Phantom Power</td>
<td>9 – 52 V DC</td>
</tr>
<tr>
<td>Output Connector</td>
<td>XLR-3-12 or equivalent</td>
</tr>
<tr>
<td>Finish</td>
<td>Main body:</td>
</tr>
<tr>
<td></td>
<td>Steel, white, semi-gloss, paint</td>
</tr>
<tr>
<td></td>
<td>Head:</td>
</tr>
<tr>
<td></td>
<td>Galvanized steel wire, white, semi-gloss, paint</td>
</tr>
<tr>
<td>Dimensions</td>
<td>ø28 x 68 mm (ø1.1” x 2.68”)</td>
</tr>
<tr>
<td>Weight</td>
<td>85 g (0.19 lb)</td>
</tr>
<tr>
<td>Accessories</td>
<td>Rubber isolation ring ........ 2</td>
</tr>
<tr>
<td></td>
<td>Nut (for M20) ................ 1</td>
</tr>
</tbody>
</table>

Note: The design and specifications are subject to change without notice for improvement.
6. COMPONENTS

- Microphone body ........ 1
- Rubber isolation ring ........ 2
- Nut (for M20) ...... 1

7. INSTALLATION

The figure below shows an example when flush-mounting the unit into a ceiling. Similarly, it can be flush-mounted into a wall or desk.

- Nut
- Rubber isolation ring
- Ceiling
- Microphone

* Recommended mounting hole diameter

Unit: mm (in)

8. CIRCUIT DIAGRAM

- Power circuit
- Filter circuit
- Cold
- Hot
- Shield
- Body earth

9. DIRECTIVITY CHARACTERISTICS

10. FREQUENCY RESPONSE

Traceability Information for Europe (EMC directive 2004/108/EC)

Manufacturer:
TOA Corporation
7-2-1, Minatojima Nakamachi, Chuo-ku, Kobe, Hyogo, Japan

Authorized representative:
TOA Electronics Europe GmbH
Suederstrasse 282, 20537 Hamburg, Germany

URL: http://www.toa.jp/