

## SHM 424 Gooseneck Microphone



### FEATURES

- Hypercardioid polar pattern
- High gain-before-feedback
- High-quality reproduction of speech
- Flexible gooseneck for optimum positioning
- Low frequency attenuation

### APPLICATIONS

The SHM 424 gooseneck microphone is suited for all applications demanding an inconspicuous microphone. Due to its acoustic features and small dimensions it is suited for lecterns, studios or interpreter's booths. It is also suitable for announcements in buses, department stores, warehouses etc. Due to its hypercardioid polar pattern the microphone is featuring a high gain-before-feedback.

### VERSIONS

|                         |  |                 |
|-------------------------|--|-----------------|
| SHM 424-11/300-3/8-sw   | Gooseneck 11 mm thick, 300 mm long, with 3/8" internal thread. . . . . | Order # 428.108 |
| SHM 424-11/300-N(CM)-sw | same as above, but with 3-pin XLR-plug . . . . .                       | Order # 433.659 |

### OPTIONAL ACCESSORIES

|              |  |                 |
|--------------|--|-----------------|
| ZSH 23 FT    | Base plate with 3-pin XLR socket and cable . . . . .                               | Order # 464.902 |
| ZSH 23 FG    | 5/8" adapter (with 3/8" reducer) with 3-pin XLR socket and cable . . . . .         | Order # 464.929 |
| ZSH 40 -3/8" | Base plate for footfall sound insulation 3/8", 78 mm ø, with 3/8" thread . . . . . | Order # 272.272 |

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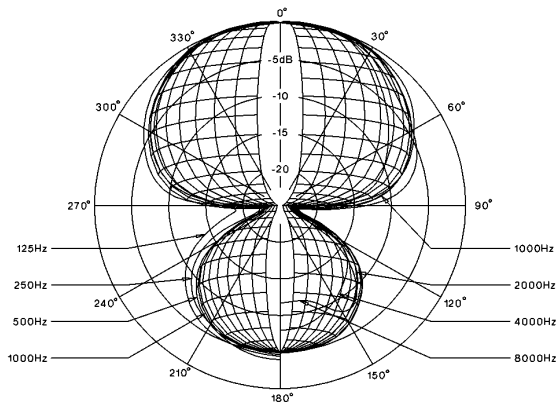
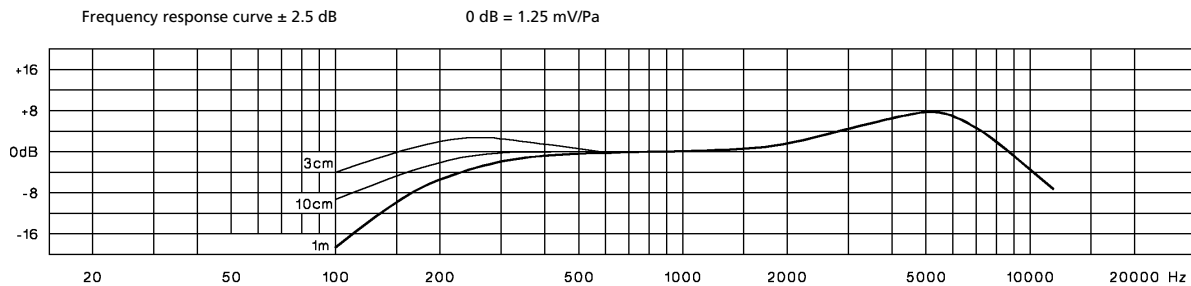
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## TECHNICAL SPECIFICATIONS

|                                  |                   |         |
|----------------------------------|-------------------|---------|
| Transducer type                  | Dynamic           |         |
| Operating principle              | Pressure gradient |         |
| Frequency response               | 100 - 10,000 Hz   |         |
| Polar pattern                    | Hypercardioid     |         |
| Directional gain at 110°         | > 25 dB           |         |
| Open circuit voltage at 1 kHz    | 1.25 mV/Pa        |         |
| Nominal impedance                | 200 Ω             |         |
| Load impedance                   | ≥ 1000 Ω          |         |
| Diaphragm                        | Makrofol®         |         |
| Case/finish                      | Brass             |         |
| Connector                        | 3-pin XLR         |         |
| Dimensions                       | Length:           | 34 mm   |
|                                  | Shaft diameter:   | 20.5 mm |
|                                  | Head diameter:    | 20.5 mm |
| Weight w/out cable and gooseneck | 46 g              |         |

## FREQUENCY RESPONSE & POLAR PATTERN

This frequency response curve and polar pattern correspond to a typical production sample for this microphone.



## WIRING DIAGRAM

