

Features

- Tailored frequency response for studio quality performance
- Wide dynamic range for use in high SPL environments
- Uniform supercardioid pattern for high gain before feedback and superior rejection of off-axis sound
- A98D drum mount is unobtrusive and versatile--allows precise positioning of the microphone while holding it firmly in place
- Compact design reduces stage clutter
- Detachable cable for easy storage
- Interchangeable microphone cartridges with different polar patterns are available
- Legendary Shure quality, ruggedness, and reliability

Specifications

Type

Condenser (electret bias)

Frequency Response

20 to 20,000 Hz (measured at 304.8 mm [1 ft] from a spherical sound source, free field conditions)

Polar Pattern

Supercardioid (as supplied), uniform with frequency, symmetrical about axis. Cartridge for cardioid polar pattern also available.

Output Level (at 1,000 Hz)

Open Circuit Voltage: -59 dBV/Pa* (1 mV) typical

*1 Pa = 94 dB SPL

Maximum SPL

(20 Hz to 20 kHz, less than 1% THD)

2.5 kilohm load: 160 dB

1 kilohm load: 156 dB

Preamplifier Output Clipping Level

(20 Hz to 20 kHz, less than 1% THD)

2.5 kilohm load: + 6 dBV (2.0 V)

1 kilohm load: + 2 dBV (1.26 V)

Dynamic Range

(at 20 Hz to 20 kHz, less than 1% THD, 2.5 kilohm load)

125 dB (max SPL minus A-weighted noise)

Output Noise

35 dB SPL, A-weighted

Signal-to-Noise Ratio

59 dB re 94 dB SPL

Output Impedance

Rated at 150 ohms (actual)

Recommended minimum load impedance: 1 kilohm

Hum Pickup

-7.5 dB equivalent SPL in 1 mOe field (60Hz)

Polarity

Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3

Phantom Power

48 Vdc +/- 4 Vdc(IEC-268-15/DIN 45 596), positive pins 2 and 3.

Cable

BETA 98/S: 7.6 m (25 ft) light-weight, two-conductor shielded, TA4F to TA3F mini connectors.

BETA 98D/S: 4.6 m (15 ft) heavy-duty, two-conductor shielded, TA4F to TA3F mini connectors.

Case

Microphone: Matte black enamel brass case and stainless steel inner grille

Preamplifier: Matte black enamel finished steel

Dimensions

Microphone: 11.7 mm X 35.6 mm (0.46 in. X 1.40 in.)

Preamplifier: 20 mm X 99 mm (0.79 in. X 3.89 in.)

Net Weight

Microphone: 12 g (0.4 oz) less cable

Preamplifier: 96 g (3.4 oz)