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MODEL BG3.1 UNIDIRECTIONAL DYNAMIC MICROPHONE

Specification Sheet

MODEL BG3.1

UNIDIRECTIONAL DYNAMIC MICROPHONE

The BG3.1 is a high output, vocal microphone designed for professional sound reinforcement and project studio recording applications. Its dynamic cartridge features a specially-shaped frequency response ideal for close-up vocals, and a neodymium magnet for high output level and high signal-to-noise ratio. The BG3.1 also maintains a uniform cardioid pattern throughout its frequency range, which ensures high gain-before-feedback, maximum isolation from undesired sound sources, and minimum off-axis sound coloration. Its rugged construction, dent-resistant steel ball grille, sturdy die-cast handle, and superior shock-mounting system allow the BG3.1 to maintain its high performance through even the roughest environments. Typical applications for the BG3.1 include lead vocals, back-up vocals, and high-profile public address.

SPECIFICATIONS

Type

Dynamic

Frequency Response

60 to 14,000 Hz (see Figure [1])

Polar Pattern

Cardioid (unidirectional), symmetrical about axis (see Figure [2])

Output Impedance

Microphone rated impedance is 150 Ω (290 Ω actual) for microphone inputs rated 75 to 300 Ω

Output Level (at 1,000 Hz)

Open Circuit Voltage* - 73.5 dB (.210 mV)

Polarity

Positive pressure on diaphragm produces positive voltage on pin 2 relative to pin 3 of the microphone output connector

Environmental Conditions

This microphone will operate over a temperature range of –29 to 57° C (–20 to 135° F), and at relative humidity of 0 to 95%.

Switch

Built in On/Off switch

Connector

3-pin male XLR connector designed to mate with Cannon XL series, Switchcraft A3 (Q.G.) series, or equivalent

Case

Die cast zinc handle, black matte finish, dent-resistant wire-mesh steel ball grille

Dimensions

(See Figure [3])

Net Weight

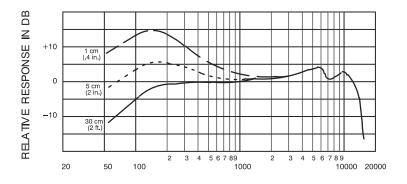
288 g (10.2 oz)

Certification

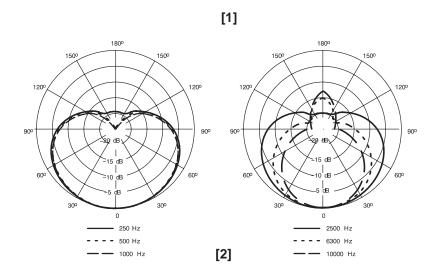
Conforms to European Union directives, eligible to bear CE marking; meets European Union EMC Immunity Requirements (EN 50 082–1, 1992); RF radiated (IEC 801–3); ESD (IEC 801–2); EFT (IEC 801–4).

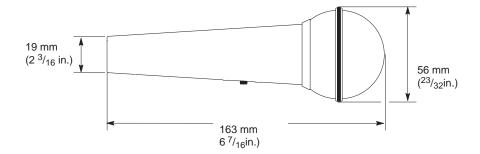
FURNISHED ACCESSORIES

| Storage Bag |
|----------------------------------------------|
| Break-Resistant Swivel Adapter A25C |
| 4.57 m (15 ft.) XLR-to-XLR cable 90J3860 |
| OPTIONAL ACCESSORIES |
| Shock Stopper™ Isolation Mount |
| Windscreen (7 colors available) A58WS Series |
| 7.6 m (25 ft) Cable (XLR to XLR) |



FREQUENCY IN HZ





[3]

SHURE

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