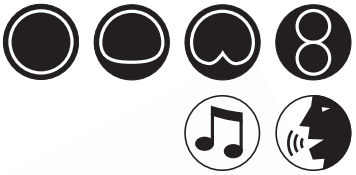
nevatonusa.com

# MC51

## Multi-Pattern Condenser Microphone



The Nevaton MC51 is a 4-pattern condenser microphone and an outstanding performer in radio and television broadcasting as well as studio recording. It features an elastically suspended symmetrical pressure-gradient-type double diaphragm reciever. The two 24mm diaphragms are made of ultra-thin gold-sputtered polyethylene-terephtalate film. All transducer components have passed a special artificial aging process to guarantee long term stability. The Class 'A' transformerless electronics use input transistors hand-selected for minimal self-noise. The microphone handles extremely high SPL levels with very low distortion.

The four directional characteristics (wide-cardioid, cardoid, omni, and figure-8) are set with a slider switch under the headgrille. A small window above this switch indicates the setting with symbols. A second slider switch introduces a pre-attenuation of about 10dB in the circuit for handling sound pressure levels up to 150dB. A small LED indicates front position and shows when phantom powering is active. The microphone body is made of brass with a dark grey non-reflective paint finish on an epoxy base. A 3-layer metallic grille effectively protects the transducers from microscopic dust contamination, mechanical impacts, and magnetic field influences. The transducer's head is mounted on an elastic suspension to minimize vibrations and handling noise. A gold-plated 3-pin XLR connector in the base provides output connection. Each Nevaton microphone is supplied with a printout of its individual frequency response, and comes with an output cable in a fine hardwood box. An isolation clip is also provided.

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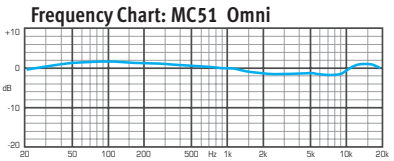
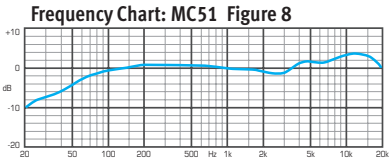
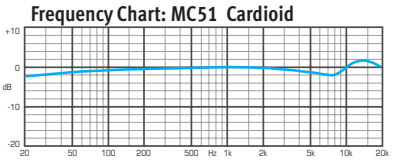
# MC51
## Technical Specifications




### Electronic Characteristics:

| | |
|---|---|
| Acoustical operating principle: | Pressure gradient transducer |
| Fixed directional pattern: | Cardioid, wide cardioid, figure 8, omni |
| Frequency response: | 20 Hz - 20 kHz |
| Output sensitivity: | 10mV / Pa |
| Maximum SPL: | 140 dB for 0.5% THD |
| Dynamic range: | < 120 dB |
| Self noise (DIN / IEC): | 17 dB-A |
| Nominal impedance: | 50 Ω |
| Recommended load: | 1 k Ω |
| Phantom powering: | 48V ± 4V |
| Current supply: | 10 mA |

### Switchable Options:

| | |
|---|---|
| Pad 10 dB: | Yes |
| Filter / EQ: | No |

### Physical Characteristics:

| | |
|---|---|
| Transducer: | Ø 0.95" (24 mm) |
| Connector: | XLR-3M |
| Weight: | 15.49 oz. (440 g) |
| Length: | 8.62" (219 mm) |
| Minimum Diameter / Width: | 1.18" (30 mm) |
| Maximum Diameter / Width: | 1.96" (50 mm) |

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