

MX150/C

Polar Pattern

Cardioid

Transducer Type

Electret Condenser

Frequency Response

20 to 20,000 Hz

Output Impedance

TQG
N/A
XLR
165.0 Ω

Sensitivity

open circuit voltage, @ 1 kHz, typical

TQG
-51.0 dBV/Pa[1] (3.0 mV)
XLR
-39.0 dBV/Pa[1] (11.0 mV)

Maximum SPL

1 kHz at 1% THD[2]

2500 Ω load
1000 Ω load
TQG
147.5 dB SPL
147.5 dB SPL

XLR
134.5 dB SPL
129.5 dB SPL

Signal-to-Noise Ratio[3]

TQG
57.5 dB
XLR
57.0 dB

Dynamic Range*@1 kHz*

2500 Ω load
1000 Ω load
TQG
111.0 dB SPL
111.0 dB SPL
XLR
97.5 dB SPL
97.5 dB SPL

Self Noise*equivalent SPL, A-weighted, typical*

TQG
36.5 dB
XLR

37.0 dB

Clipping Level

1 kHz at 1% THD

2500 Ωload
1000 Ωload
TQG
2.0 dBV
1.5 dBV
XLR
1.0 dBV
-4.5 dBV

Common Mode Rejection

20 to 20,000 Hz

TQG
N/A
XLR
>60 dB

Polarity

TQG
Positive pressure on diaphragm produces positive voltage on pin 3 with respect to pin 1
XLR
Positive pressure on diaphragm produces positive voltage on pin 2 with respect to pin 3

Power Requirements

TQG
5 V DC (0.04–0.18 mA)
XLR
11–52 V DC[4] phantom power (IEC-61938), <2.2 mA

Weight

TQG
21 g (0.7 oz.)
XLR
121 g (4.3 oz.)

Operating Temperature Range

-18°C (0°F) to 57°C (135°F)

Storage Temperature Range

-29°C (-20°F) to 74°C (165°F)

[1] 1 Pa=94 dB SPL

[2]THD of microphone preamplifier when applied input signal level is equivalent to cartridge output at specified SPL

[3]S/N ratio is the difference between 94 dB SPL and equivalent SPL of self noise, A-weighted

[4]All specifications measured with a 48 Vdc phantom power supply. The microphone operates at lower voltages, but with slightly decreased headroom and sensitivity.