

TLM 193

PRESSURE GRADIENT MICROPHONE

The TLM 193 is a large diaphragm, double membrane cardioid condenser microphone designed for critical recording, broadcast and live sound applications. The capsule of the TLM 193 is the same legendary large diaphragm capsule used in the U 89i/TLM 170 family. This unit is mated to the proven FET 100 circuitry of the KM 100 series.

The TLM 193 excels at many applications including overhead and close-miking drums, capturing the nuances of acoustic performances, and recording critical vocals in the Neumann tradition.

The TLM 193 package includes the microphone, swivel stand adapter and wooden jewelers case.



Acoustical Operating Principal	Pressure gradient transducer	
Directional Pattern	Cardioid	
Frequency Range	Hz	20 to 20,000
Sensitivity ¹⁾	mV/Pa	11 ± 1dB
Rated Impedance	ohms	50
Rated Load Impedance	ohms	1000
Equivalent Loudness Level Due To Inherent Noise (CCIR 468-3 weighted)	dB	21
(DIN/IEC 651dB-A)	dB	10
S/NRatio related to 1Pa at 1kHz, (CCIR 468-3 weighted)	dB	73
A-weighted	dB	84
Max SPL for less than 0.5% THD ²⁾	dB	140
Max Output Voltage	V	2.54
Phantom Powering (P48, IEC 268-15)	V	48 ± 4
Total dynamic range of the microphone amplifier ³⁾	dB	130
Current Consumption ³⁾	mA	2
Weight	g	490 (1.08lb)
Dimensions	mm	175
Length	mm	49
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¹⁾ 1 Pa = 94 dB SPL, at 1kHz into 1 k ohm load impedance

²⁾ THD of the microphone amplifier when an input level equivalent to the capsule output at the specified SPL is applied

³⁾ All microphones are 48 V ± 4 V phantom powered (P 48 according to DIN 45596/IEC 8 15)

