



MI-17

1/4" IEPE Microphone

ROGA MI-17

These 1/4"-measuring microphones are pressure transducers. The model MI-17 have integrated electronics, and can be delivered with sensitivities from 10 to 100 mV/Pa at tolerances of within $\pm 1.5\%$. Special custom versions are also possible. Power supplies for the microphones can be either a constant current source of 2 – 6 mA (standard version) or a constant voltage source 4 – 30 Volts. Normally the microphones are fitted with BNC-connectors (fem.) allowing standard BNC-BNC cables to be used. Other connectors such as TNC, SMB, Lemo or μ dot are also available on request. These microphones are quite suitable for array applications.

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TECHNICAL DATA (Type 1):

Frequency response (typical)	30 Hz – 4 kHz: ± 0.5 dB 4 kHz – 20 kHz: ± 1.5 dB
Temperature range	-10 – +50 °C
Sensitivity	≈ 50 mV/Pa
Noise	(Lin: 20 Hz – 20 kHz) ≈ 35 dB (SPL) („A“-weighted) ≈ 26 dB (SPL)
Max. peak SPL	≈ 130 dB (ref. 20 μ Pa)
Constant supply current	2 – 6 mA
Output impedance	50 Ω
Dimensions – total length	93 mm
Tube – diameter	8 mm
Connector	BNC (fem.)
Weight	23 grams