



MI-17

1/4" IEPE Microphone

The 1/4"-measuring microphones of the MI-17 range are very precise pressure transducers.

The model MI-17 has 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 also quite suitable for array applications.



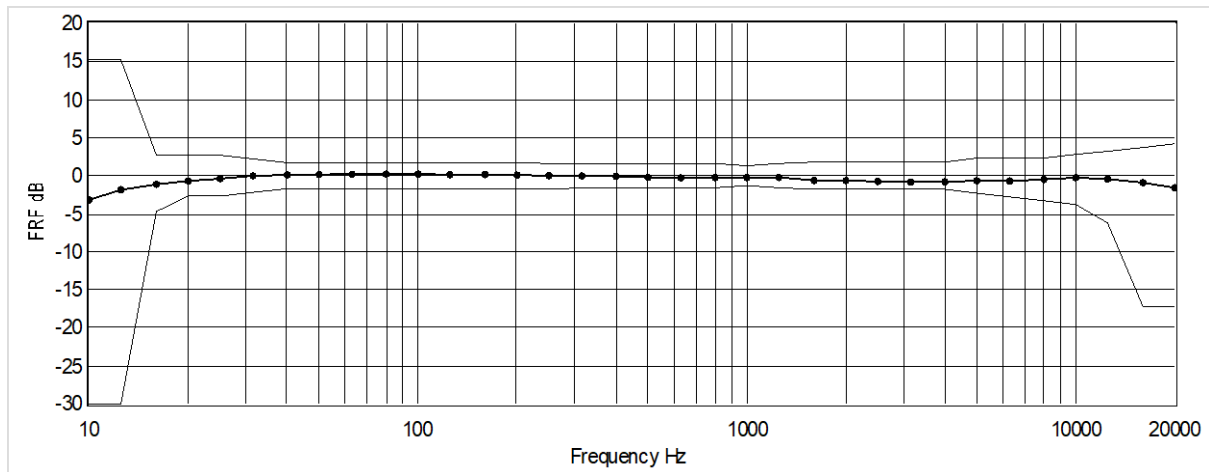
TECHNICAL DATA (TYPE 1):

Frequency response (typical)	20 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.), others on request
Weight	23 gr.

Certificate of Factory Calibration

1/4" IEPE Free Field Measurement Microphone

Type : MI17
 Serial No. : 3128
 Sensitivity : 49.4 mV/Pa (@ 250 Hz | 24.4 °C | 97.7 kPa | 49% RH)



BSWA full frequency coupler	: CA916	S/N: 540002
Reference Microphone BSWA	: MP201	S/N: 520324
MTG Kalibrator	: 4010	S/N: 10072
ROGA Instruments	: Plug.n.DAQ Lite	S/N: 353
Software BSWA	: VA-Audio	Ver: 7.0
Measurement uncertainty	: 0.20 dB	

Calibrated by, 9/12/2022

R. Gawlik
 Romuald Gawlik
 CEO and Founder

