



## MI19 1/4" IEPE Microphone



### MI19 1/4" Electret Microphone

The 1/4" IEPE measurement microphone is now available with optimized price/performance ratio, which meets the usual requirements in technical acoustics.

The model MI19 has integrated electronics and is delivered with sensitivity of 50 mV/Pa at tolerance within  $\pm 0.5$  dB.

The supply is by a constant current source (standard) with usually 4mA. The MI19 microphone are fitted with BNC connector female, allowing standard BNC-BNC cables to be used.

Other connector version TNC, is also optional available.

These microphones are also suitable for array applications and general acoustic measurements in industry, research, and development.

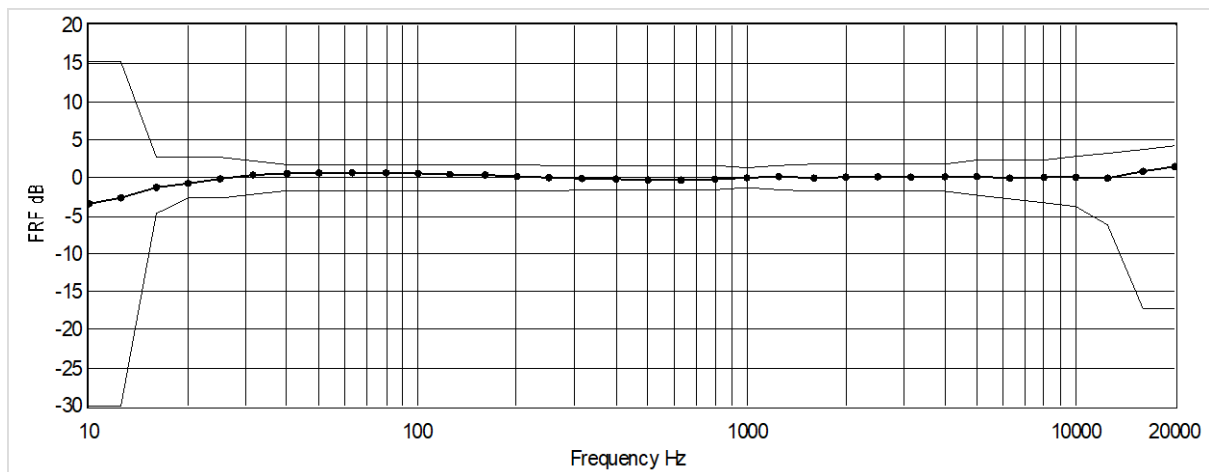
### Technical Data

Frequency response	20 Hz – 20 kHz 20Hz – 4 kHz: $\pm 0.5$ dB 4 kHz – 20 kHz: $\pm 1.5$ dB
Microphone Type	Free Field
Characteristic	Omnidirectional
Sensitivity	50 mV/Pa
Inherent noise	33 dB
Dynamic range (ref. 20 $\mu$ Pa)	33 -130 dB
Constant supply current	2 – 8 mA
Connector	BNC (fem.)
Tube diameter	1/4" / 6.8 mm
Operating Temperature	-10 – 80 °C
Total length	85 mm
Weight	18 g

# Certificate of Factory Calibration

## 1/4" IEPE Free Field Measurement Microphone

Type : MI19  
Serial No. : 1062  
Sensitivity : 50.5 mV/Pa (@ 250 Hz | 22.9 °C | 98.3 kPa | 47% 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, 9/9/2022

  
Romuald Gawlik  
CEO and Founder

