

MI19SW

1/4" IEPE Microphone IP55 splash resistant



MI19SW 1/4" Electret Microphone

The 19SW microphone has been designed to be resistant to splashing water. The microphone is therefore suitable for use in measurement campaigns in wet and damp weather conditions.

An IP55 water-repellent seal on the diaphragm at the sound inlet prevents potential damage to the electret capsule by water.

The IEPE microphone is suitable for use in standard industrial environments as well as for all noise measurements with a sound pressure level of up to 130 dB.

Calibration is possible with a standard microphone calibrator and a 1/2" to 1/4" adapter.

Specifications

Class 1 according to IEC 61672

Frequency response	20 Hz - 20 kHz
Microphone Type	Free field
Characteristic	Omnidirectional
Sensitivity	50 mV/Pa
Noise	30 dB(A)
Dynamic range (Ref. 20µPa)	30 dB(A) -130 dB
IEPE Supply	2 - 8 mA @ 18 Volt - 30 Volt
Connector	BNC (fem.)
Diameter	1/4" / 6.8 mm
Operating temperature	-10 - 80 °C
Overall length	83 mm
Weight	19 g

The MI19 microphones are equipped with a BNC jack, so standard BNC cables can be used.

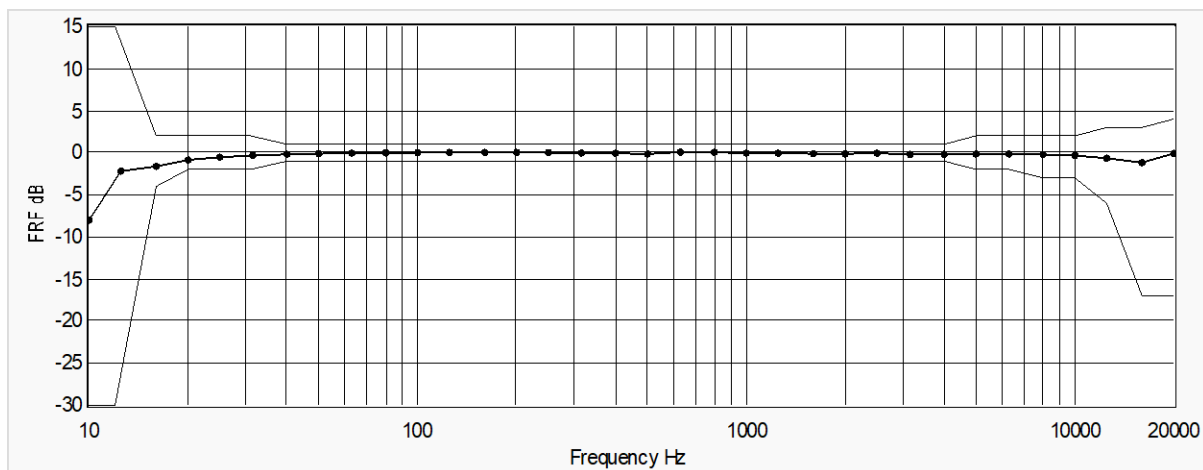
A TNC connector version is also available on request.

Factory Calibration Certificate

1/4" IEPE Free-Field Microphone

Class 1 according to IEC 61672

Type : MI19
Serial number : 1082
Sensitivity : 50.0 mV/Pa | 1000 Hz | 22.1 °C | 96.6 kPa | 39 % relative humidity)



BSWA Full Frequency Coupler
Reference Microphone BSWA
MTG Calibrator
ROGA-Instruments
Software BSWA
Measurement Uncertainty

CA916
MP201
4010
Plug.n.DAQ Lite
VA Audio
0.20 dB

S/N: 540002
S/N: 520324
S/N: 10072
S/N: 353
Ver.: 7.0

Calibrated, 22-Dec-22


Romuald Gawlik
Founder and CEO

