



RG-50

The 1/4"-measuring microphones RG-50 comes optional with IP55 splash protection and a lower frequency response from 5 Hz to 20 kHz.

The model RG-50 has integrated electronics and can be delivered with sensitivities from 35 to 100 mV/Pa at tolerances of within ± 1 dB. Special custom versions are also possible. Power supplies for the microphones can be a IEPE constant current source of 2 – 20 mA.

Normally the microphones are fitted with BNC-connectors (fem.) allowing standard BNC-BNC cables to be used. Other connector version TNC, is also optional available. These microphones are also suitable for array applications.



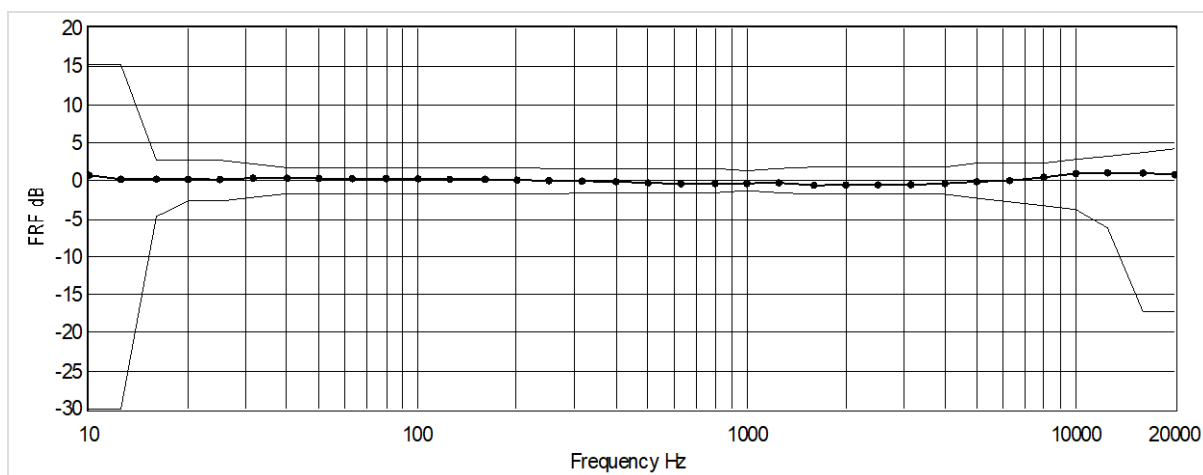
TECHNICAL DATA WS3F TYPE 1

Frequency response	5Hz – 4 kHz: ± 0.5 dB 4 kHz – 20 kHz: ± 1.5 dB
Temperature range	-10 – +80 °C
Sensitivity	≈ 50 mV/Pa
Noise	(Lin: 5 Hz – 20 kHz) ≈ 35 dB (SPL) („A“-weighted) ≈ 26 dB (SPL)
Max. peak SPL	≈ 130 dB (ref. 20 μ Pa)
Constant supply current	2 – 20 mA
Output impedance	50 Ω
Dimensions – total length	93 mm
Tube – diameter	8 mm
Connector	BNC (fem.)
Weight	23 gr.

Certificate of Factory Calibration

1/4" IEPE Free Field Measurement Microphone

Type : RG-50
Serial No. : 1235
Sensitivity : 49.4 mV/Pa (@ 250 Hz | 24.3 °C | 97.6 kPa | 46% 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, 9/3/2022


Romuald Gawlik
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