



RG-50

IP55 & Low Frequency

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.



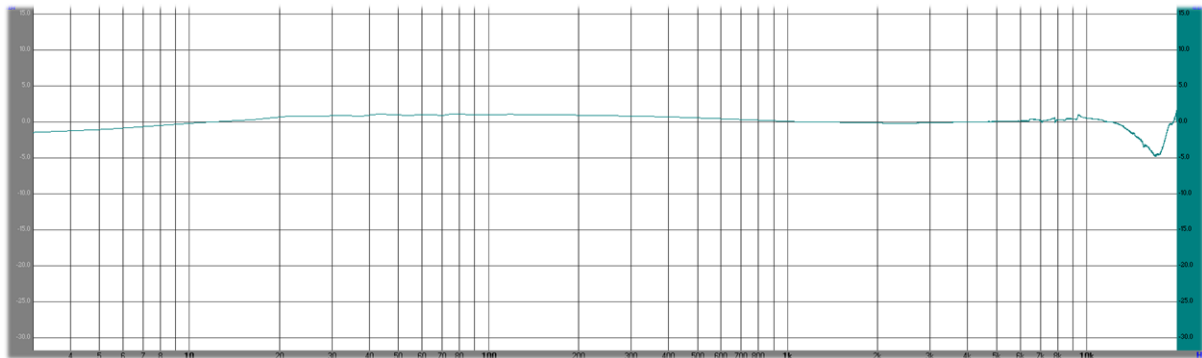
TECHNICAL DATA WS3F TYPE 1

Frequency response	5Hz – 4 kHz: ± 0.5 dB 4 kHz – 20 kHz: ± 1.5 dB
Temperature range	-10 – +50 °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. : 1198
Sensitivity : 50.8 mV/Pa (@ 1 kHz | 23 °C | 1009 hPa)



BSWA Full Frequency Coupler CA916
Reference Microphone
Svantek SV30A
Plug.n.DAQ Lite
Software
Measurement uncertainty

540002
MPA231
14126
353
Visual Analyzer v 2021R1 32 bits
0.20 dB

Calibrated by, 5/12/2022


Romuald Gawlik
CEO and Founder

