

RG-50 1/4" ICP Microphone



The 1/4"-measuring microphones of the RG-50 range are very precise pressure transducers.

The model RG-50 has integrated electronics and can be delivered with sensitivities from 10 to 100 mV/Pa at tolerances of within $\pm 5\%$. 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 2):

Frequency response (typical)	30 Hz – 4 kHz: ± 1 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.