



# RG-50

1/4" IEPE Microphone

## ROGA RG-50

These 1/4"-measuring microphones are pressure transducers. The model RG-50 have 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  $\mu$ dot are also available on request. These microphones are quite suitable for array applications.

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## TECHNICAL DATA (Type 2):

Frequency response (typical)	30 Hz – 4 kHz: $\pm 1$ dB 4 kHz – 20 kHz: $\pm 1.5$ dB
Temperature range	-10 – +50 °C
Sensitivity	$\approx 50$ mV/Pa
Noise	(Lin: 20 Hz – 20 kHz) $\approx 35$ dB (SPL) („A“-weighted) $\approx 26$ dB (SPL)
Max. peak SPL	$\approx 130$ dB (ref. 20 $\mu$ Pa)
Constant supply current	2 – 6 mA
Output impedance	50 $\Omega$
Dimensions – total length	93 mm
Tube – diameter	8 mm
Connector	BNC (fem.)
Weight	23 grams