



MI-17

1/4" Compact Microphone

ROGA MI-17

These 1/4"-measuring microphones are pressure transducers. The model MI-17 have integrated electronics, and can be delivered with sensitivities from 10 to 100 mV/Pa at tolerances of within $\pm 1.5\%$. 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 quite suitable for array applications.

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TECHNICAL DATA (Type 1):

Frequency response (typical)	30 Hz – 4 kHz: ± 0.5 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.)
Weight	23 grams



RG-50

1/4" Compact 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 μ 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: ± 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“-wighted) ≈ 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.)
Weight	23 grams

ROGA MP40/PA-01

IEPE 1/2" Measurement Microphone

ROGA MP40/PA-01

- Constant current powered measuring microphone preamplifier PA-01 with electret condenser microphone capsule type MP40. The current powered 1/2" Measuring Microphone offers facilities for the use of a high-quality noise measurements.
- Typical applications like array arrangements and covered area measuring procedures, e.g. automotive acoustics, can be taken into account.
- This acoustic sensor can be connected to any IEPE input via BNC cable. The PA-01IV preamplifier accepts in addition phantom voltage supply from 4 to 25 Volt.

TECHNICAL DATA:

Connector	BNC
Microphone thread	11.7mm x 60UNS
Noise voltage	1,5µVrms (A-weighted)
Frequency response	20Hz-100kHz +0dB -0,5dB
Input impedance	> 10 GOhm
Output impedance	< 300 Ohm
IEPE current supply	1mA-5mA
Phantom power	4V - 25V (4-20kOhm)
max output voltage	1Vpp

MP40 capsule	
Frequency response	20 – 20 kHz
Sensitivity	50 mV/Pa
Type	Free Field Pre Polarized
Noise Floor MP-40/PA-01	16 dBA

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ROGA MU-10

1/4" Measurement Microphone
with USB PC interface

ROGA MU-10

USB measurement microphone, is a new generation of digital measurement microphones.

- The MU-10 is an easy to use sensor, which is detected by the PC as USB Audio device.
- Flexible sensitivity adjustmet.
- RogaREC & VA FFT spectrum analyzer software is included.
- MU-10 works with Linux, MAC OS and Windows.

TECHNICAL DATA:

Connector	4 Pin Lemo with 3 Meter USB cable
Capsule	1/4"
ADC	16 bit Delta Sigma
Dynamic Range	87 dB
Sensitivity	8-200 mV/Pa adjustable
Bandwidth	10 Hz-20 kHz
Housing Diameter	1/2"
Length	94 mm
Power Supply	via USB

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