



Qsources

Ultra Light



INFRA-QSOURCES

Qohm

LIGHTWEIGHT
OMNI-DIRECTIONAL SOUND SOURCE



The highly uniform sound radiation from the Qohm source allows controlled excitation of the acoustics of small and large sites, such as classical theaters, factory halls, schools, offices, apartments and machinery rooms.

Thanks to the omni-directionality of the Qohm sound source, as specified in ISO 16283, only a few measurement locations are needed in each space for typical airborne isolation and reverberation testing. The extreme light weight of 3.1 kg. and small dimensions allow fast and efficient work by a single consultant. With the smooth broadband spectrum at 122 dB Lw the level is more than sufficient from 50 to 16000 Hz. A high output at 50 Hz, 97 dB Lw, also means that a separate sub-woofer is not needed for all common measurement situations.

Qsources Qohm sound sources are a must for every acoustic industry professional who wants to perform acoustic tests of rooms to make recommendations on placement of absorption materials creating the correct acoustic balance or to test the acoustical properties of a building materials. It is advised, but not obligatory, to combine the Qohm with a Qam power amplifier for maximum performance and reliability.



EXTREME LIGHTWEIGHT
3.1 KG.



260 MM. DIAMETER
COMPACT TRIPOD & SOFT CARRY CASE



1/3 OCTAVES: 50-16000 Hz.
BROADBAND HIGH OUTPUT: 122 dB Lw
HIGH OUTPUT AT 50Hz: 97 dB LW



WORK EFFICIENCY
EASY & FAST SET UP BY 1 SINGLE PERSON



EXCEEDING THE STANDARDS
ISO 140 / 3382 / 16283

www.Qsources.be



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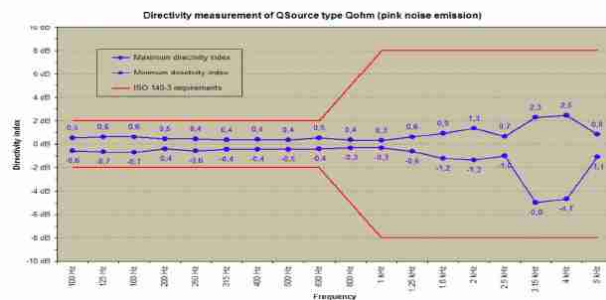
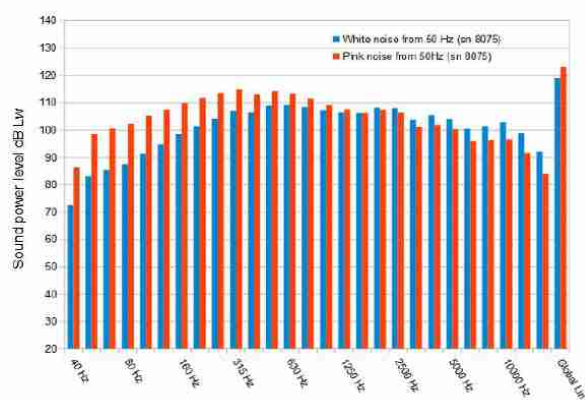
Qohm

SPECIFICATIONS*

Description	Lightweight, high power omni-directional sound source
Weight	3.1 kg : state of the art lightweight
Frequency range in third octave bands	50-16000 Hz (1/3 octaves)
Height	260mm
Diameter	260mm
Omni directionality (ISO 16283)	+/-1,5dB from 50-2500 Hz
Sound power level	122 dB+- 1 dB Lw, 4 minutes** 115 dB Lw, 15 minutes**
Low frequency sound power at 50Hz	97 dB Lw, 2 minutes**
Output level stability	better than 0.5 dB, during 10 minutes at 115 dB** better than 0.5 dB, during 1.5 minute at 122 dB**
Typical Power requirement	800 Watt RMS to 4 Ohm***
Temperature Protection	✓
Power overload Protection	✓
Main Application area	Small up to very Large Buildings, infrastructure
Main Application examples	Houses, Apartment buildings, Offices, Cathedrals, Concert halls
Number of Speakers	12
Q4 driver technology	✓
Seperate subwoofer needed	no
Mounting thread	UNC 3/8-16
Tripod Included	✓
Soft transportation case included	✓
Qualitative, Robust Chassis material	✓
Industry Standards	ISO 140 / 3382 / 16283 / 354 / 14275 / DIN52210 / ASTM E2235/



Certification Tests July 8th 2016



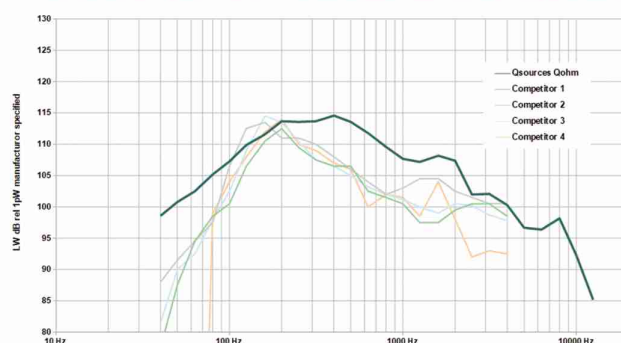
POTENTIAL APPLICATION AREAS

Building accoustic	✓
Material tests	✓
Road-Railway infrastructure	✓
Aerospace	✓
Marine	✓
Military	✓

MEASUREMENT TECHNIQUES

Room + Hall accoustics	✓
Reverberation	✓
Speech transfer measurment	✓
On-site machinery sound power	✓
Transmission loss testing	✓
Barrier performance measurement	✓

Comparison 3.1Kg Qohm with 4 inch competition with average weight of 5.0 kg



These specifications may be adapted if necessary to improve the quality.

When driven with Qam generated low crest-factor pink noise at 22 Celsius ambient temperature or lower.

For maximum performance a dedicated power amplifier type Qam is available from Intra-Qsources

Range in free sight. The range can be influenced by metal structures.



Geonoise Asia Co., Ltd.

Room 1603
Island Place Tower
510 King's Road
Hong Kong
+852 8198 8469

LOCAL OFFICES IN :
HONG KONG | INDIA | INDONESIA | MALAYSIA |
NETHERLANDS | PHILIPPINES | THAILAND | VIETNAM

www.geonoise.com