

# OMNI 4" HP

Omnidirectional sound source



The OMNI 4" HP offers a powerful signal source for room & building acoustics measurements. Power, manageability and portability are essential requirements for acoustic technicians: OMNI 4" HP represents the best solution between weight and power.

The new spherical sound source OMNI 4" HP printed with the innovative additive manufacturing system, is specifically designed to grant an improved sound radiation and a even close to perfection isotropy.

The OMNI 4" HP omnidirectional sound source works with a cluster of 12 ferrite speakers in a round shape that radiate sound in a spherical distribution.

Powerful, 123 dB, suitable for sound insulation measurements in large spaces and high demanding walls and floors. The reduced diameters of 280 mm allows it to be used also in limited space conditions.

With its spherical shape, all normative requirements on the source directivity are met.

#### ACCESSORIES INCLUDED

- 6 meters connecting cable
- Soft carry bag with shoulder strap

#### Optional

- Trolley flight case
- Tripod with soft bag

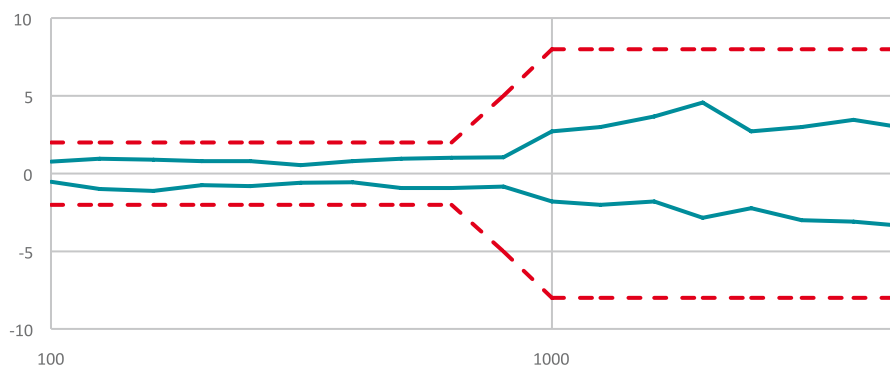
#### CONFORMITY LAWS

- UNI EN ISO:
- 140-4, 10140, 16283-1, 3382, 354;
- Directivity (D) according to: 140, 16283 and 3382.
- Conform to CE directives.

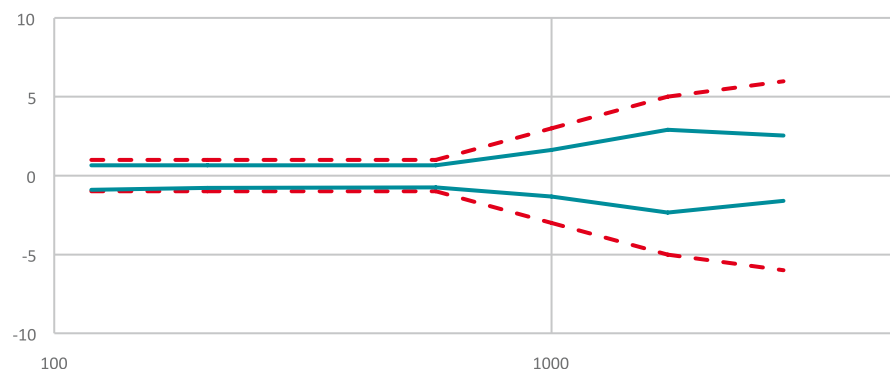
#### TECHNICAL FEATURES

- Diameter: 280 mm
- Weight: 7,5 kg
- Max sound power level: 123 dB
- Impedance: 3 + 3  $\Omega$

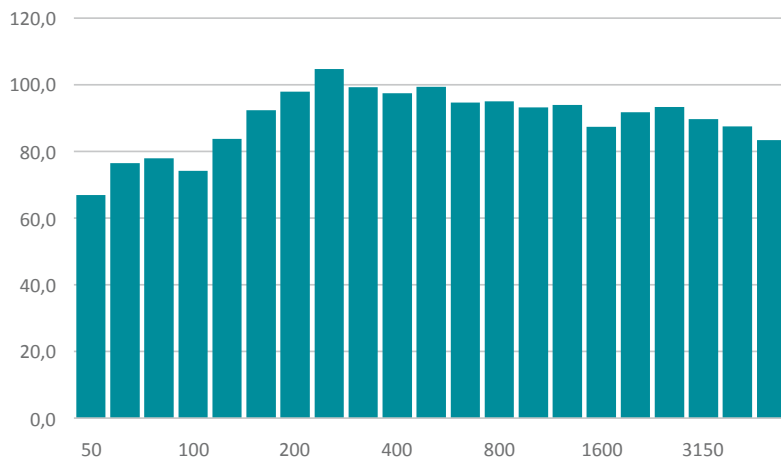
UNI EN ISO 16283-1



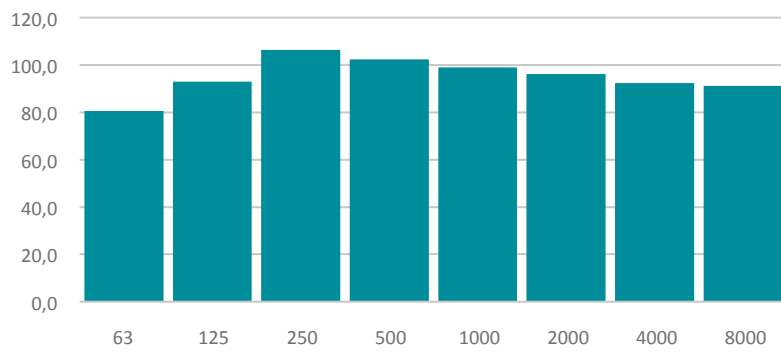
UNI EN ISO 3382



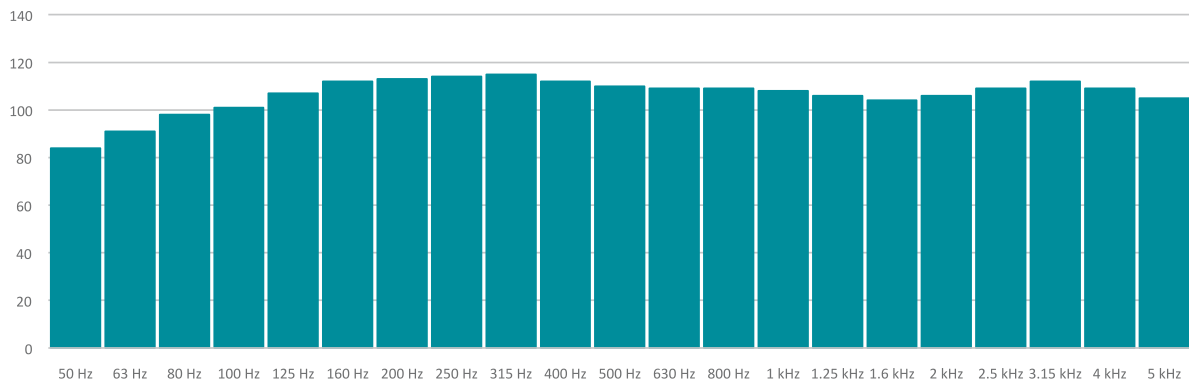
**SPL - 1,5M - 1/3 OCT**



**SPL - 1,5M - 1/1 OCT**

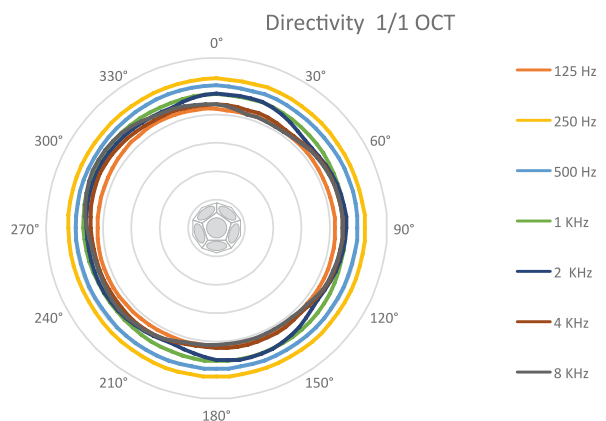


**Sound Power Level (Lw)**



**APPLICATION AREAS**

- Architectural and Building Acoustics
- Airborne sound insulation
- Room+hall acoustics
- Laboratory Measurement
- Reverberation time
- Field Measurement
- Road & Railway
- Aerospace
- Naval



### COMPANY IDENTITY

Ntek is specialized in products and services for noise and vibration measurement and control. The company has been able to improve in designing, developing and producing solutions that mix simplicity, portability and user-friendly products with excellent quality.

Ntek main goal is to supply a qualified service with a complete range of products delivered on time in order to guarantee its customers the chance to focus on their business.

To keep this standard we continue to invest strongly in innovative products and productive processes.

### OUR VISION

We believe that acoustics is the basis of wellness and improvement of life quality.

It's for this reason that we develop, innovate and produce equipment inspired to this philosophy.

### HOW WE WORK

Ntek can ensure a high level of service, thanks to modern processes and new laboratories, completely renewed in equipment for different operations of design, production, measurement, check and control.

### INTERNAL LOGISTICS AND STOCK

With its operative location of 500 m<sup>2</sup> and its internal stock, Ntek guarantees available products in a very short time if compared with a standard delivery of 45/60 days.

The company is structured to be flexible with logistic activities and in answering efficiently to productive needs of our customers.

### SUSTAINABILITY

Green company, eco-friendly aimed to a continuous improvement of quality and safety in industrial processes.



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