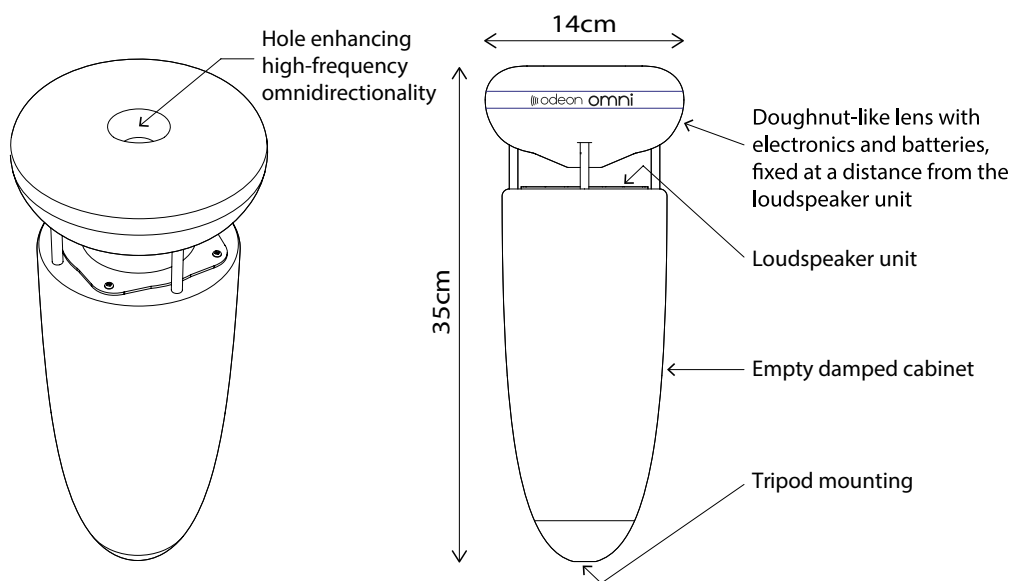


## Specifications (pre-release)

A light-weight, wireless omni-directional sound source for room impulse response measurements. The source follows the ISO 3382 standard in terms of directivity and derivation of room acoustic parameters. It works on an AptX Bluetooth connection up to 30 m distance, which is sufficient for use in small to moderate venues (auditoria, small concert halls, classrooms, offices, restaurants, worship spaces etc.).

It has a built-in amplifier and lithium batteries that can be recharged directly on the device and provide about 1.5 hours of continuous measurement. Price: 3294 EUR / 24500 DKK.

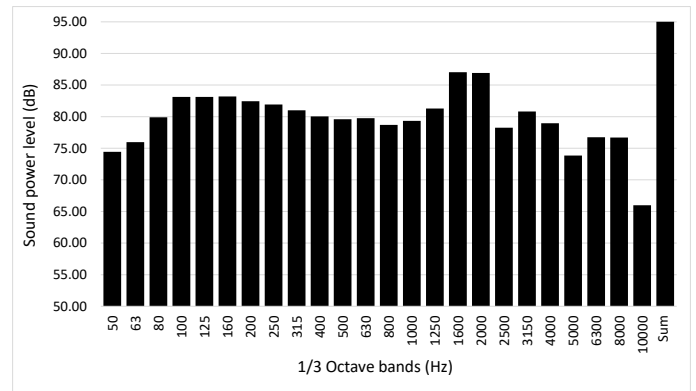
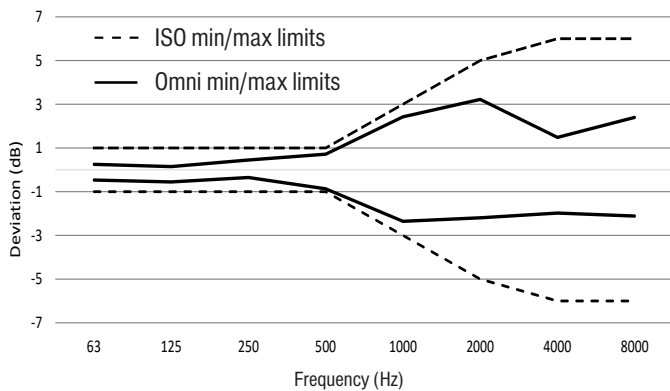
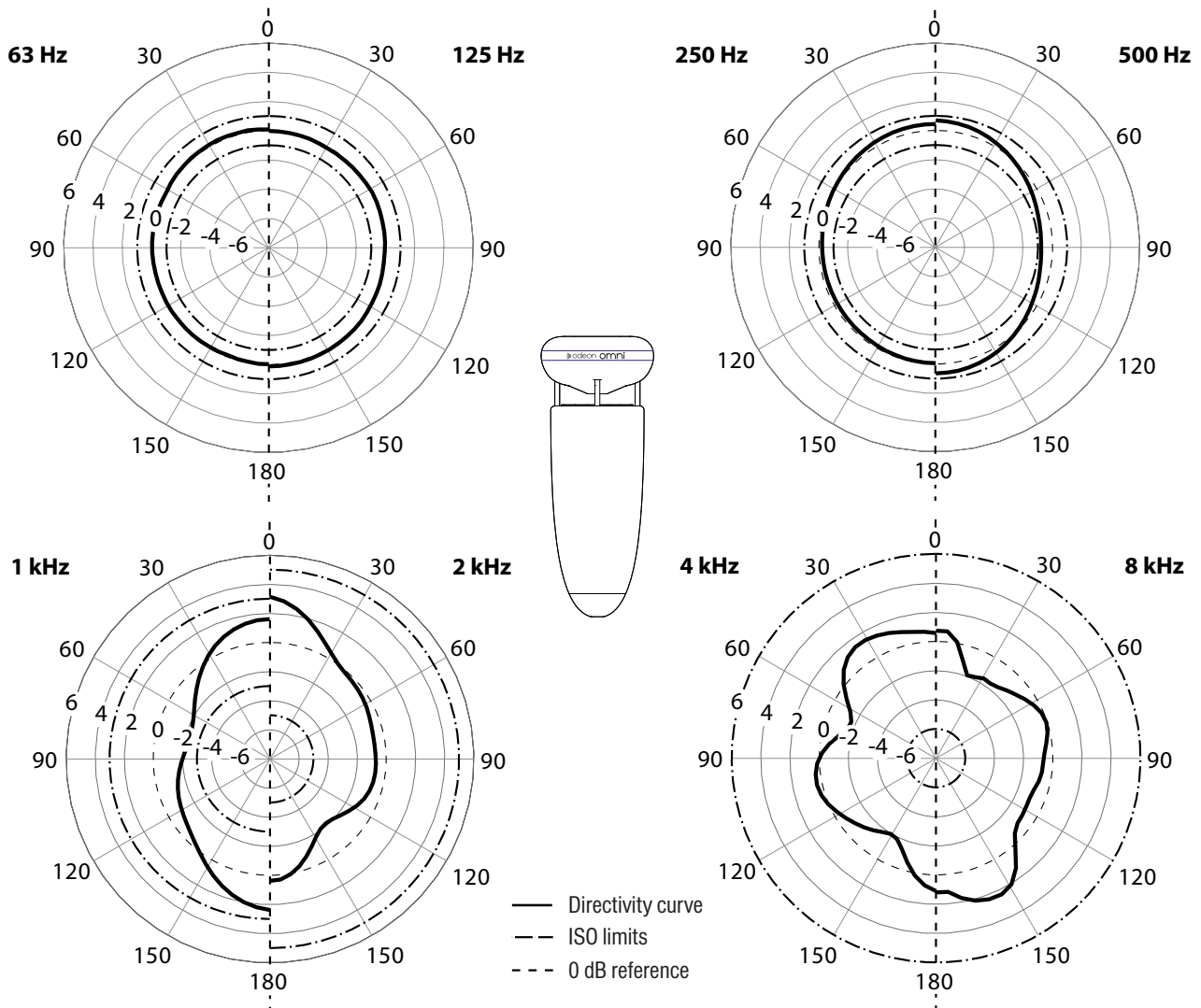


### Technical data

<b>Weight</b>	1.5 Kg.	<b>Wireless distance</b>	Min 30 m without obstacles, up to 10 m with obstacles.
<b>Frequency range(±6 dB)</b>	63 - 8000 Hz .	<b>Cable connectivity</b>	3.5 mm audio jack input.
<b>Number of speaker drivers</b>	1 full-range driver (3.5 inches).	<b>Mounting</b>	Sliding aluminium pin with 1/4 inch thread (camera standard).
<b>ISO standards supported</b>	ISO 3382, ISO 14257.	<b>Temperature range</b>	10° to 45° Celsius.
<b>Sound power level (max)</b>	96 dB, broadband.	<b>Dimensions</b>	35 cm length x 14 cm diametre.
<b>Electric power</b>	30 Watts rms, 4 Ohm.	<b>Material</b>	Gel-coated fiberglas, aluminium.
<b>Capacity of batteries (pre-installed)</b>	4 x 3000 mAh, 3.6 V.	<b>Charger</b>	Included, with EU, UK and USA interchangeable adaptors.
<b>Battery life</b>	1.5 hour continuous playback at max. level.	<b>Tripod</b>	Included.
<b>Wireless connectivity</b>	Bluetooth 5 <sup>th</sup> gen. with AptX.*	<b>Backpack</b>	Included.

\* Depends on the Bluetooth transmitter available on the laptop. Typically laptops with Windows 10 and 11 support Bluetooth 5<sup>th</sup> generation. Otherwise, use an external USB Bluetooth adapter.

## Directivity patterns between 63 Hz and 8 kHz for the vertical plane.



Simplified directivity plot showing the largest deviation from the reference level (0 dB). The plot uses the min and max values from each polar plot in the figure above.

Max sound power of OdeonOmni per 1/3 octave. Last column: broadband sum.