

ABT-OMN100

EN 54-24

OMNIDIRECTIONAL LOUDSPEAKER

- ✓ *Specially designed for airports applications*
- ✓ *Omnidirectional design*
- ✓ *Excellent speech intelligibility*
- ✓ *Aluminium housing*
- ✓ *High power output 100 / 50 / 25 W*
- ✓ *Thermal protection*
- ✓ *Certificate of Conformity: 1438-CPR-1113*



The ABT-OMN100 is an omnidirectional pendant loudspeaker with a power output of 100W. It has been specially designed for installation in large-volume spaces such as airport halls, high-bay warehouses, sports halls, shopping centers, train stations, museums, and more. It provides excellent sound

quality and meets fire safety requirements. Thanks to its omnidirectional design and wide radiation angles, the speaker enables uniform and effective sound coverage of areas up to 900 m². The speaker features high sensitivity, allowing for effective sound coverage of large areas with minimal energy

consumption. Its hanging installation and aesthetic appearance make it a perfect fit for various interiors without disrupting their aesthetics. The product complies with the EN 54-24 standard, ensuring its reliability and safety.



	ABT-OMN100
Electrical	
Rated power, W	100
Tappings 100 V line, W	100 / 50 / 25
Tappings 70 V line, W	50 / 25 / 12,5
Transformer impedance @ 100 V, Ω	100 / 200 / 400
Drivers impedance, Ω	4 / 4 / 6
Effective frequency range, Hz	60 - 20000
Sensitivity @ 4 m, 1 W, dB	81
SPL @ 4 m, rated power, dB	101
SPL @ 1 m, 1 W, dB	93
SPL @ 1 m, rated power, dB	113
Horizontal dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	140 / 145 / 125 / 105
Vertical dispersion at 500 Hz / 1 kHz / 2 kHz / 4 kHz, [°]	125 / 145 / 145 / 100
Environmental	
Environmental type / IP rating according to EN 54-24	A / IP32C
IP Rating	IP42
Min. / max. ambient temperature	-10°C / 55°C
Mechanical	
Dimensions, mm	Ø 750 × 400
Net weight, kg	24
Colour	Grey (RAL 7035)
Material	Aluminium
Mounting	Safety wire / mounting bracket
Option	
For DC line monitoring	Capacitor
Colour optional	RAL palette
Ease Model	✓

Frequency band:

