



www.bedrock-audio.com



Bedrock® BRODEK5

Lightweight omnidirectional sound source

The Bedrock BRODEK5 is a powerful, yet remarkably lightweight omnidirectional sound source designed for versatile acoustic measurements. Adhering to ISO standards, it is the perfect solution for measuring airborne sound insulation and reverberation times. Packaged with its equally compact power amplifier, the entire system weighs just over 6 kg, allowing a single technician to easily transport it across demanding measurement environments. Despite its portable size, the BRODEK5 delivers a high acoustic output of 120.5 dB. The intuitive power amplifier features built-in white and pink noise generators, along with two XLR inputs for routing custom audio, all of which can be conveniently started and stopped from a distance using the wireless RF remote.

What is Bedrock?

Bedrock produces innovative acoustic measuring instruments for acousticians, audio specialists, architects, consultants, engineers and basically anybody involved in (acoustic) testing and certification.

All Bedrock products are designed and manufactured in the Netherlands, by the inventors of STIPA.

Why choose the BRODEK5?

When performing airborne sound insulation or reverberation tests,

hauling heavy gear across sites is a major hassle and a workplace safety risk. The BRODEK5 was specifically engineered to solve this. It allows a single technician to effortlessly transport and operate the system without sacrificing acoustic power.

Unlike traditional, cumbersome setups, the BRODEK5 includes a custom-matched Class D power amplifier that doubles as a signal generator and mixer. You have instant access to perfectly equalized (FLAT) pink noise presets optimized specifically for the BRODEK5, along with white noise and dual XLR inputs for routing your own audio. By

combining strict ISO compliance with absolute ease of use and a reliable 120.5 dB output, the BRODEK5 delivers the precision you need for every measurement job.

Where to buy?

Bedrock products are sold through a global network of distributors and resellers. Please refer to our website for our distributor list and up-to-date information about our products, as well as available firmware upgrades, manuals and test signals.

www.bedrock-audio.com



Easy to use. Reliable. Affordable

Bedrock® BRODEK5 Omnidirectional Sound Source

Product features

The Bedrock BRODEK5 Omnidirectional Sound Source and power amplifier offer the following features:

- Omnidirectional sound radiation (ISO 3382-1/2, ISO 140-4, ISO 16283-1/3, ISO 10140-5 compliant)
- Ultra-lightweight design for single-person operation.
- Built-in noise generator (equalized pink, non-equalized pink, and white noise).
- Balanced XLR inputs for external audio (2-channel mixer).
- High-quality Class D power amplifier with integrated DSP.
- Built-in amplifier protection (overheating, short-circuit, overload).
- RF remote control to mute/unmute the amplifier.

Technical specifications

Technical specifications of the BRODEK5 include:

- Sound Power Level: 121 dBC (ref. 1pW) for pink noise, with a measured global rating of 120.5 dBC and an expanded uncertainty (K=2) of ± 2.0 dBC.
- Frequency Range: 50 Hz to 12 kHz, with a certified maximum power range of 100 Hz to 10 kHz.
- Max power: 300 W RMS with an impedance of 5,3 Ω .
- Weight only of 4.5 kg
- 25 cm distance between opposite faces.

Technical specifications of the power amplifier include:

- Frequency range of 10 Hz to 20 kHz, input sensitivity of 0.94V/1.7 dBu, and THD+N of $\leq 0.05\%$ at maximum power.
- Total weight of 1.2 kg (including transport case),

with outer dimensions of 37 x 16 x 11 cm.

- Power supply: 100V-240V AC, 50 Hz-60 Hz.
- Standardized speakON type input for the BRODEK5

Accessories

The BRODEK5 and power amplifier come bundled with the following accessories:

- Lightweight trolley (3 kg) with telescopic handle and wheels
- Ultra-light aluminium tripod (1.5 kg, expandable from 0.57m to 2.00m)
- AC power supply cable
- Speakon-to-speakon cable (3m)
- Wireless RF remote control

Pricing

Contact your local Bedrock Distributor for pricing information:

<http://www.bedrock-audio.com/where-to-buy>

Note: specifications are tentative, accurate at the time of print, pending updated testing



Bedrock is a Registered Trademark of Bedrock Audio BV. For more information on Bedrock products, please refer to our websites:

www.bedrock-audio.com

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