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Data Sheet

August 15, 2026

BRUEL & KJAER

Brüel & Kjær 2807 Two Channel Microphone Power Supply

Brüel and Kjær 2807 Two Channel Microphone Power Supply The Brüel & Kjær 2807 is a two-channel microphone power supply. OEM 2807 listings describe a laboratory PSU for B&K condenser microphones, providing polarization and preamplifier power for two measurement channels in acoustic and vibration setups. Two-channel condenser microphone polarization and preamplifier power in B&K acoustic measurement chains. Instrument Type: Two channel microphone power supply The Brüel & Kjær 2807 is a two-channel microphone power supply. OEM 2807 listings describe a laboratory PSU for B&K condenser microphones, providing polarization and preamplifier power for two measurement channels in acoustic and vibration setups. Two-channel condenser microphone polarization and preamplifier power in B&K acoustic measurement chains. Instrument Type: Two channel microphone power supply Load Class: B&K condenser microphones and preamplifiers



MODEL

**Brüel & Kjær
2807**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

2807

LISTING

<https://aumictechlabs.com/products/2807-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Brüel & Kjær 2807 is a dual-channel microphone power supply that delivers polarization voltage, preamplifier supply power, and impedance transformation for condenser microphone systems. It has stable 200 V DC polarization with $\pm 0.5\%$ regulation and multiple preamplifier

supply outputs, enabling simultaneous multi-channel sound and vibration measurements in laboratory and field environments. Independent attenuation control per channel, external switching capability, and excellent cross-talk performance make it suitable for complex measurement setups requiring flexible signal routing. Technical Specifications Polarization Voltage: 200 V DC, stabilized to better than 0.5% across $\pm 10\%$ mains variation. Preamplifier Supply Outputs: +150 V at 2 mA; +12.6 V anode at 100 mA; +6.3 V heater at 200 mA. Signal Path: 2 Hz to 200 kHz (± 0.2 dB); extended to 200 kHz (± 0.5 dB); flat within ± 0.1 dB across 20 Hz to 20 kHz. Output: 28 V RMS (2 Hz to 20 kHz); maximum 8 mA RMS per channel; output impedance 13 Ω in series with 4.7 μ F. Attenuation: Adjustable 0 dB to approximately -40 dB per channel via multi-turn potentiometer; insertion loss less than 0.15 dB (2 Hz to 200 kHz). Noise & Isolation: Inherent noise 80 dB to 20 kHz, > 60 dB at 200 kHz. Switching: External control socket for input selection; typical switching time 1 ms; chopper frequency approximately 0.5 Hz. Power Requirements: 100, 115, 127, 220, or 240 V AC (50–400 Hz) at $\pm 10\%$; 10 VA consumption. Complies with IEC 348 safety class I. Outputs short-circuit protected. Key Features Two independent channels with separate signal level adjustment potentiometers Input impedance 50 k Ω at microphone socket pin 4 Manual and automatic channel switching via external control socket Standard B&K 7-pin microphone input sockets and output sockets Compact modular construction (2/12 of 19" rack module) Dimensions: 132.6 mm H $\times$ 69.5 mm W $\times$ 200 mm D; weight 2.2 kg Compatibility & Integration Designed for Bruel & Kjaer preamplifier types 2615, 2618, 2619, 2627, 2633, 2639, 2645, and 2660. Fits B&K modular rack system for flexible laboratory and field deployment.

Features & description

From manufacturer datasheet

Polarization Class: condenser microphone

Preamplifier Class: measurement microphone preamp power Notes From Brüel & Kjær 2807 listings (two-channel microphone power supply). Polarization voltage, preamp supply rails, and current limits are on the 2807 specification page.

2807 Characteristics / Specifications

PARAMETER	VALUE
Model	2807
Instrument Type	Two channel microphone power supply
Channel Count	2
Load Class	B&K condenser microphones and preamplifiers
Manufacturer	Bruel and Kjaer
Literature	Bruel and Kjaer 2807 two channel microphone power supply listings
Family	B&K microphone power supplies
Brand Lineage	Bruel and Kjaer
Form Factor	benchtop microphone PSU
System Role	two channel microphone power
Use Case	acoustic measurement microphone supply
Documentation Type	OEM 2807 listing
Year Class	B&K 2807
Application Class	acoustic metrology
Vendor Path	Bruel and Kjaer
Related Voltmeter	2425 electronic voltmeter
Related Mouth Simulator	4227
Power Class	microphone polarization and preamplifier supply
Channel Class	dual
Documentation Class	OEM 2807 catalog
Control Class	laboratory microphone PSU
Companion Role	B&K condenser microphone chain
Operating Mode	two channel mic power
Instrument Class	microphone power supply
Polarization Class	condenser microphone

PARAMETER	VALUE
Preamplifier Class	measurement microphone preamp power

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Notes

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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.