

GRAS 12AG

8 通道电源模块，带增益和滤波器



Connection: Traditional 200 V
Channel(s): 8

GRAS 电源模块 12AG 是一款 8 通道电源，用于电容式传声器的前置放大器。它可用于实验室和现场的多通道声学测量。

典型应用

- 通用测量
- 精密测量
- 声功率测量
- 多通道测量

设计

每个通道都具有以下信号调节设置：

- 线性响应
- A 加权
- 高通滤波

12AG 具有内置电源，可使用附带的电源线直接从 110-240 VAC 主电源/线路电源供电。根据产品收货地，电源线配有欧盟、英国或美国插头。

此外 12AG 还可由外部 12-18 VDC (不包括) 供电，为喜欢使用自带电源或便携式电池组进行现场测试的用户提供了灵活性。

Housed in a durable, anodized aluminum cabinet, the 12AG is built to withstand demanding environments.

The supply and polarization voltages are set by two pairs of switches, one common to channels 1 - 4 and one common to channels 5 - 8. The polarization voltage in each group can be set to 0 V – for prepolarized microphones, or 200 V – for externally polarized microphones

And the voltage supply for the preamplifiers can be set to 120 V – for maximum dynamic range, or 28 V – for minimum power consumption; may be important when using an external DC power supply.

The input to each channel is a 7-pin LEMO socket on the front panel which is wired up for GRAS microphone preamplifiers, e.g. 26AB, 26AC, 26AJ and 26AK, but is also compatible with other available makes of microphone preamplifiers.

The output of each channel is via a standard BNC connector also on the front panel as well as via one of the 4-channel VXI outputs on the rear panel.

Each channel has two overload indicators; one instantaneous, and one latched which can be reset by a common push button. The gain in each channel can be set from 0 dB to + 50 dB in steps of 10 dB.

The standard A-weighting filter in each channel complies with IEC Standard 60651: Sound levelmeters Type 0. The high-pass filter in each channel is a 3-pole Butterworth filter with a - 1 dB cut-off at a frequency of 20 Hz. This filter is for reducing unwanted low-frequency signals, e.g. caused by wind-induced noise on the microphone.

The preamplifier signal in each channel can be coupled directly to the output of the 12AG by selecting direct output. This makes the output of the preamplifier available free of any signal conditioning.

The cabinet of the 12AG is 1/2" of a standard 19-inch rack; meaning that 2 of these Power Modules can be mounted in a standard 19-inch rack using the AK0040 Rack-mounting System.

保修

所有GRAS产品均采用优质材料制造，确保产品具有卓越的长期稳定性和耐久性 12AG 提供 2 年保修，但因使用不当导致的损坏不在保修范围内。

服务与维修

所有维修均在位于丹麦的 GRAS 国际支持中心进行。我们的支持中心配备了最新的测试设备，并拥有技术精湛的专业工程师。根据要求，我们会按照固定的维修类别进行成本估算。在质保期内的产品送修时，如非人为操作不当或违反保修条款导致的损坏，将享受免费维修服务。

CONDITIONING		
Frequency response (± 1.0 dB) @ Gain ≤ 40 dB	Hz	2 to 200 k
Frequency response (± 1.0 dB) @ Gain 50 dB	Hz	2 to 100 k
Frequency response (± 0.2 dB)	Hz	20 to 20 k
Output channel(s)		8
Output impedance	Ω	30
Direct coupling input to output		Yes
Inherent noise, LIN (20 Hz to 20 kHz), grounded input	μVrms	<4
Inherent noise, A-weighted, (20 Hz to 20 kHz), grounded input	μVrms	<2.8
Inherent noise, A-weighted with dummy preamplifier (20 Hz to 20 kHz),	μVrms	<4
Inherent noise, LIN with dummy microphone (20 Hz to 20 kHz)	μVrms	<5.6
Gain settings, 10 dB steps	dB	0 to + 50
Gain error	dB	< 0.2
A-weighting filter according to		IEC 60651 type 0
High-pass filter		3-pole Butterworth, -1 dB @ 20 Hz
Linear mode		Yes
SysCheck level @ 1 kHz	Vrms	1
Type		Traditional power supply (LEMO)
Input channel(s), traditional power supply		8
Channel separation (20 Hz to 20 kHz)	dB	>65
Preamplifier supply	V	28 / 120
Polarization voltage	V	0 / 200
Overload indication		Yes
PC controlable		No
POWER AMPLIFIER		
External filter option		No

Power amplifier overload detection		No
Power supply, external ($\pm 10\%$)	Vac	110 to 240
Power supply, external	Vdc	12 to 18
Power consumption	mA	100
Battery low indication		No
Fuse	mA	1250 (slow)
Temperature range, operation	$^{\circ}\text{C} / ^{\circ}\text{F}$	-10 to +50 / 14 to 122
Weight	g / oz	2500.00 / 88.18
Weight with batteries	g / oz	2.5 k / 88.185

GRAS Sound & Vibration 保留更改规格和配件的权利，恕不另行通知。

选配

[GRAS AK0040](#)

19" Rack mounting System

标配

- 电源线带欧盟、美国或英国插头，具体取决于产品收货地。

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About GRAS Sound & Vibration

GRAS is a worldwide leader in the sound and vibration industry. We develop and manufacture state-of-the-art measurement microphones to industries where acoustic measuring accuracy and repeatability is of utmost importance in R&D, QA and production. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, and consumer electronics. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect and trust.

GRAS Sound & Vibration is represented through subsidiaries and distributors in more than 40 countries and is part of Axiometrix Solutions, a leading test solutions provider comprised of globally recognized measurement brands. Read more at www.GRASacoustics.com

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