

GRAS 12HM

10-Channel Power Module for Lownoise Systems



Connection: Traditional 200 V
Channel(s): 10

The GRAS Power Module 12HM is a 10-channel power supply for multi-channel lownoise measurements using the matched, low-noise preamplifiers and high-sensitive microphones of a GRAS 40HF, 40HH or 40HT Lownoise Measuring System.

The 12HM provides:

- polarization voltage (200 V) for up to 10 condenser microphones
- voltage supplies (± 15 V) for powering up to 10 microphone preamplifiers
- individual response setting, pressure or free field, for each channel
- individual gain adjustment of ± 3 dB for each channel

When connected to the 40HF/40HH/40HT Low-noise Microphone Systems, each channel of the Type 12HM supports the specifications of a GRAS low-noise measuring system, and can be used in sound-power measurements of low-noise products, such as disk drives, under anechoic or semi-anechoic conditions in accordance with IEC 745:1977.

Warranty

All GRAS products are made of high-quality materials that will ensure life-long stability and robustness. The 12HM is delivered with a 2-year warranty. The warranty does not cover products that are damaged due to negligent use.

Service and Repairs

All repairs are made at GRAS International Support Center located in Denmark. Our Support Center is equipped with the newest test equipment and staffed with dedicated and highly skilled engineers. Upon request, we make cost estimates based on fixed repair categories. If a product covered by warranty is sent for service, it is repaired free of charge, unless the damage is the result of negligent use or other violations of the warranty.

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| CONDITIONING | | . |
| Output channel(s) | | 10 |
| Output impedance | Ω | 30 |
| Direct coupling input to output | | No |
| Linear mode | | No |
| Type | | Traditional power supply (LEMO) |
| Input channel(s), traditional power supply | | 10 |
| Channel separation (20 Hz to 20 kHz) | dB | >90 |
| Preamplifier supply | V | +--15 |
| Polarization voltage | V | 200 |
| Overload indication | | Yes |
| PC controlable | | No |
| POWER AMPLIFIER | | . |
| External filter option | | No |
| Power amplifier overload detection | | No |
| Power supply, external ($\pm 10\%$) | Vac | 115 to 230 |
| Power consumption | W | 35 |
| Battery low indication | | No |
| Fuse 230 V / 115 V | mA | 160 / 315 |
| Temperature range, operation | $^{\circ}\text{C} / ^{\circ}\text{F}$ | -10 to +50 / 14 to 122 |
| Weight | g / oz | 5,500 / 194.01 |

GRAS Sound & Vibration reserves the right to change specifications and accessories without notice.

GRAS Worldwide

Subsidiaries and distributors in more than 40 countries

HEAD OFFICE, DENMARK

GRAS SOUND & VIBRATION
Skovlytoften 33
2840 Holte
Denmark
Tel: +45 4566 4046
www.GRASacoustics.com
gras@grasacoustics.com

USA

GRAS SOUND & VIBRATION
9290 SW Nimbus Avenue
Beaverton, OR 97008
Tel: 503-627-0832
Toll Free: 800-231-7350
www.GRASacoustics.com
sales-usa@grasacoustics.com

UK

GRAS SOUND & VIBRATION
Unit 115, Gibson House,
Ermine Business Park, Huntingdon,
Cambridgeshire, PE29 6XU
Tel: +44 (0)7762 584 202
www.GRASacoustics.com
sales-uk@grasacoustics.com

CHINA

GRAS SOUND & VIBRATION
Room 502, Building T1,
No.1398 Ali Center
Shenchang Road,
Minhang District,
Shanghai, China, 201107
Tel: +86 21 400-888-9826
www.GRASacoustics.cn
cnsales@grasacoustics.com



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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