

# GRAS 12HF

1-Channel Power Module for Low-noise Systems



Connection: Traditional 200 V  
Channel(s): 1

The GRAS Power Module 12HF is a power supply for single-channel, low-noise measurements using the matched, low-noise preamplifiers and high-sensitive microphones of a GRAS low-noise measuring system 40HF, 40HH or 40HT.

The 12HF provides:

- polarization voltage (200 V) for the condenser microphone
- voltage supplies ( $\pm 15$  V) for powering the microphone preamplifier
- a front panel switch response for selecting pressure or free field setting

|  |   |                                 |
|--|---|---------------------------------|
| CONDITIONING                               |   | .                               |
| Frequency response ( $\pm 0.2$ dB)         | Hz                                      | 2 to 20 k                       |
| Output channel(s)                          |   | 1                               |
| Output impedance                           | $\Omega$                                | 30                              |
| Direct coupling input to output            |   | No                              |
| Linear mode                                |   | No                              |
| Type                                       |   | Traditional power supply (LEMO) |
| Input channel(s), traditional power supply |   | 1                               |
| Preamplifier supply                        | V                                       | $\pm 15$                        |
| Polarization voltage                       | V                                       | 200                             |
| Overload indication                        |   | Yes                             |
| PC controllable                            |   | No                              |
| POWER AMPLIFIER                            |   | .                               |
| External filter option                     |   | No                              |
| Power amplifier overload detection         |   | No                              |
| Power supply, battery                      |   | 4 x LR14 (C)                    |
| Power supply, external                     | Vdc                                     | 6 to 20                         |
| Battery low indication                     |   | Yes                             |
| Fuse                                       | mA                                      | 315 (fast)                      |
| Temperature range, operation               | $^{\circ}\text{C}$ / $^{\circ}\text{F}$ | -10 to +50 / 14 to 122          |
| Weight                                     | g / oz                                  | 620 / 21,870                    |

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

Included Item

|        |              |
|--------|--------------|
| AB0010 | Power supply |
|--------|--------------|

# GRAS Worldwide

Subsidiaries and distributors in more  
than 40 countries

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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 and related equipment for industries where acoustic measuring accuracy and repeatability are of the utmost importance. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, consumer electronics and other highly demanding industries. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect, trust and require.

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](http://www.grasacoustics.com)

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