

GRAS 12AA



Connection: Traditional 200 V
Channel(s): 2

GRAS 12AA

GRAS Sound & Vibration
Skovlytoften 33, 2840 Holte, Denmark
www.grasacoustics.com



□□□□

-
-
-

□□

-
- A
-

GRAS 12AA 12 V-18 V /
 0 V 200 V 120 V
 28 V GRAS 12AA 10

2 7 LEMO (A B) GRAS
26AB 26AC 26AJ 26AK

BNC A B -20 dB
+40 dB 20 dB

A IEC 60651 0 20 Hz -1 dB

" " 12AA

12AA 19 1/12 AK0040 19 12

□□

GRAS 12AA 2

□□□□□

GRAS

CONDITIONING		.
Frequency range (± 1 dB)	Hz	3.5 to 200 k
Frequency range (± 3 dB)	Hz	2 to 250 k
Output channel(s)		2
Output impedance	Ω	30
Direct coupling input to output		Yes
Inherent noise, LIN (20 Hz to 20 kHz), grounded input	μVrms	<1.6
Inherent noise, A-weighted, (20 Hz to 20 kHz), grounded input	μVrms	<1
Inherent noise, A-weighted with dummy preamplifier (20 Hz to 20 kHz),	μVrms	<3.2
Inherent noise, LIN with dummy microphone (20 Hz to 20 kHz)	μVrms	<5.7
Gain settings, 20 dB steps	dB	-20 to +40
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		2
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
External filter option		No
Power amplifier overload detection		No
POWER SUPPLY		.

Power supply, battery		10 x LR6 (AA)
Power supply, external	Vdc	12 to 18
Power consumption	mA	160 to 190
Battery life, 28 V preamp. supply	h	10
Battery life, 120 V preamp. supply	h	8
Battery low indication		Yes
Fuse	mA	315
Temperature range, operation	°C / °F	-10 to +50 / 14 to 122
Weight	g / oz	810 / 28,572

GRAS Sound & Vibration



GRAS EL0001	10 x LR6 (AA) alkaline cells
	()
GRAS AB0002	Power supply 230 VAC to 15 VDC. EU-connector
GRAS AB0006	Power supply 230 VAC to 15 VDC. UK-connector
GRAS AB0003	Power supply 120 VAC to 15 VDC. USA-connector



GRAS AK0040	19-inch Rack-mounting System
12AA-S20	12AA

GRAS Sound & Vibration



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 315, RuiBo Center(T1)
Lane683, Shenhong Rd,
Minhang District,
Shanghai, China, 201107
Tel: +86 21 64203370
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 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

grasacoustics.com

GRAS
An Axiometrix Solutions Brand