GRAS 12AA





Connection:Traditional 200 V Channel(s): 2

GRAS 12AA



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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



Specifications

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 micophone (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	
Туре		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			



Specifications

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

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Ordering info

GRAS EL0001	10 x LR6 (AA) alkaline cells
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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

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