

GRAS 46BG-FV

1/4" CCP Pressure Front Vented
Microphone Set, High Pressure



Freq range: 3.15 Hz to 70 kHz
Dyn range: 60 dB(A) to 184 dB
Sensitivity: 0.25 mV/Pa

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The GRAS 46BG is a front-vented 1/4" CCP pressure microphone set for measuring very high sound pressure levels.



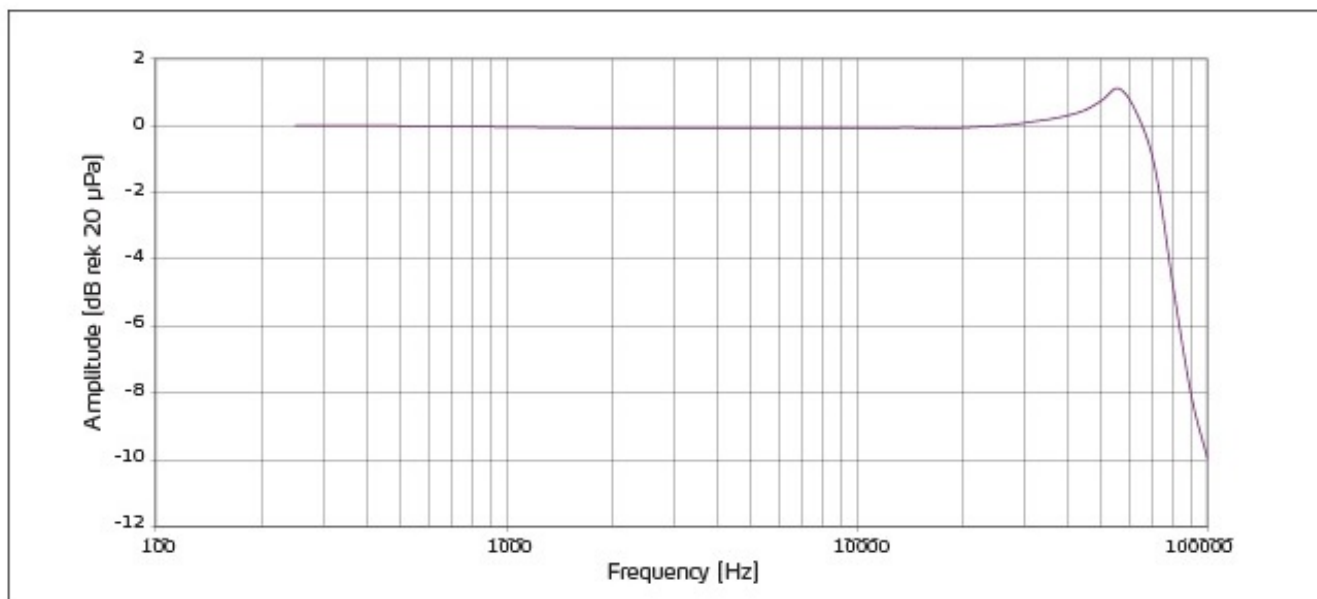
Introduction

46BG-FV is a front-vented version of the GRAS 46BG 1/4" CCP Pressure Standard Microphone Set, High Pressure.

Apart from the venting, these microphone sets are identical. [Learn more here.](#)



Frequency range (± 2 dB)	Hz	3.15 to 70 k
Dynamic range lower limit with GRAS preamplifier	dB(A)	60
Dynamic range upper limit with GRAS CCP preamplifier	dB	184
Set sensitivity @ 250 Hz (± 2 dB)	mV/Pa	0.25
Set sensitivity @ 250 Hz (± 2 dB)	dB re 1V/Pa	- 72
Output impedance		<50
Output Voltage Swing, min. @ 24-28 V CCP voltage supply	Vp	8
Power supply min. to max.	mA	2 to 20
Power supply min. to max. (single/balanced)	V	N/A
DC bias voltage, typ.	V	12
Microphone venting		Front
IEC 61094-4 Compliance		WS3P
Temperature range, operation	°C / °F	-30 to 70 / -22 to 158
Temperature range, storage	°C / °F	-40 to 85 / -40 to 185
Temperature coefficient @250 Hz	dB/°C / dB/°F	-0.01 / -0.006
Static pressure coefficient @250 Hz	dB/kPa	-0.01
Humidity range non condensing	% RH	0 to 95
Humidity coefficient @250 Hz	dB/% RH	0.001
Influence of axial vibration @1 m/s ²	dB re 20 μ Pa	63
TEDS UTID (IEEE 1451.4)		27 v. 1.0
Connector type		Microdot 10/32
CE/RoHS compliant/WEEE registered		Yes/Yes/Yes
Weight	g / oz	8 / 0.282

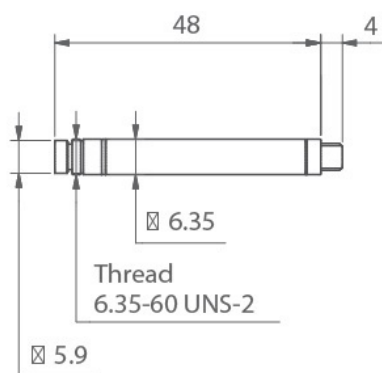
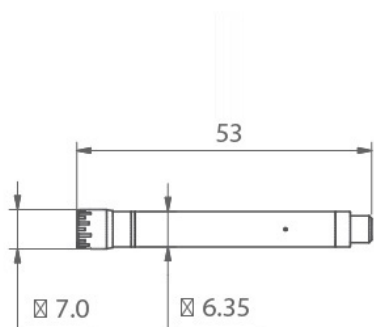


Typical pressure frequency response of the 46BG

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



Dimensions in mm



Optional items

GRAS AA0070	3 m Microdot - BNC Cable
GRAS AA0073-CL	Customized Length Microdot - BNC Cable
GRAS AA0087-CL	Customized Length Microdot - Microdot Cable
GRAS AL0029	1/4" Microphone Holder, POM
GRAS AL0013	1/4" Microphone Holder, Stainless Steel
GRAS AL0005	Swivel head
GRAS AL0006	Tripod
GRAS RA0022	1/4" Nosecone
GRAS AM0071	Windscreen for 1/4" Microphones
GRAS RA0127	Rain-protection cap for 1/4" microphones
GRAS 12AL	1-Channel CCP Power Module with A-weighting filter
GRAS 12AQ	2-Channel Universal Power Module with signal conditioning and PC interface
GRAS 42AB	Sound Calibrator, Class 1
GRAS 42AP	Intelligent Pistonphone, Class 0

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We Make Microphones

Tradition

Since the establishment in 1994, GRAS has been 100% dedicated to developing and manufacturing high-quality measurement microphones and related acoustic equipment.

Innovation

We work with everybody with an interest in sound or noise within the fields of aerospace, automotive, audiology, consumer electronics, noise monitoring, building acoustics and telecommunications.

Quality

At GRAS we know that in order for you to trust your measurement results; signal quality, stability and robustness are essentials. We design and build them to perform under real life conditions – and beyond.

