

# GRAS 40PM-1

EQset™



20 Hz - 20 kHz  
30 dB(A) - 125 dB  
20 mV/Pa

GRAS 40PM-1    GRAS 40PM EQset™    GRAS 40PM-1  
20 kHz ¼                30 dB a 120 dB SPL THD 3%  
34    GRAS 40PM-1

EQset >>

**EQset™ GRAS 40PM-1**

GRAS 40PM-1 GRAS 40PM  
GRAS 40PM  
GRAS 40PM-1       $\pm 0.2$  dB      20  
kHz       $\pm 0.5$  dB      GRAS 40PM-1

GRAS 40PM-1  
GRAS 40PM-1  
GRAS 40PM-1      34       $\frac{1}{4}$

GRAS 40PM-1

 48 V      CCP      GRAS 40PM-1  
CCP      TEDS

[APx500 Flex](#)

**EQset**

EQset      EQset  
EQset      EQset  
EQset      48 V      TEDS  
EQset      CCP      CCP  
EQset      [grasacoustics.com/EQset.](http://grasacoustics.com/EQset)

  
GRAS 42AP      GRAS 42AG      GRAS  
40PM      42AG      40PM-1      40AG  
250Hz



GRAS



2



GRAS 40PM-1       $\pm 0.2$  dB  
13      35°C      55      95°F      983  
1043 hPa



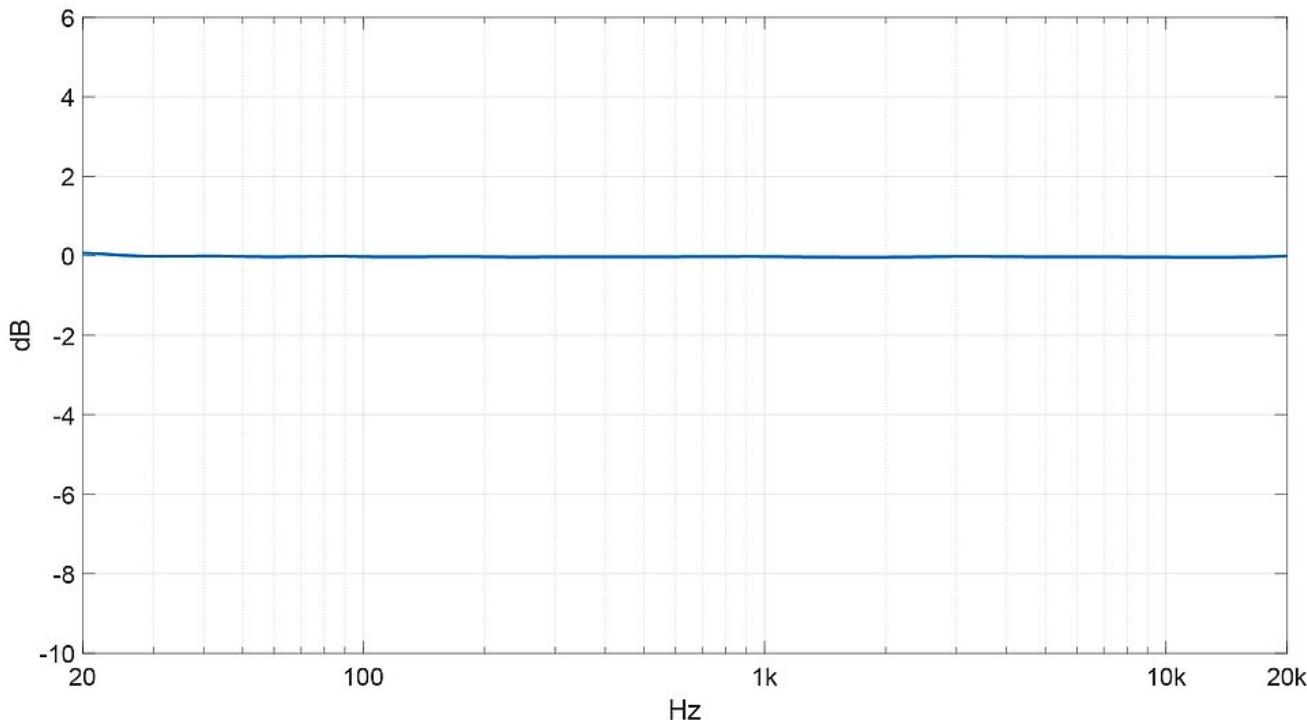
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- 
- 5      0.1 dB      1



GRAS 40PM-1      20 Hz  
20 kHz      30 dB (A)      125 dB

# Specifications

Dynamic range lower limit (microphone thermal noise)	dB(A)	<30
Dynamic range upper limit	dB	125
Sensitivity @ 250 Hz ( $\pm 0.2$ dB)	dB re 1V/Pa	-34
Sensitivity @ 250 Hz ( $\pm 0.2$ dB)	mV/Pa	20
Power supply (Constant Current Power)	mA	4 to 10 (min. to max.)
Pressure response ( $\pm 0.5$ dB)	Hz	20 - 20k
Output DC bias voltage	V	13.7 $\pm$ 0.5
Output impedance	$\Omega$	<50
Temperature range	$^{\circ}$ C / $^{\circ}$ F	-10 to 55 / 14 to 131
Humidity range non condensing	% RH	0 to 90
CE/RoHS compliant/WEEE registered		Yes/Yes/Yes
Maximum cable length	m	10 (@ 4 mA)



GRAS Sound & Vibration

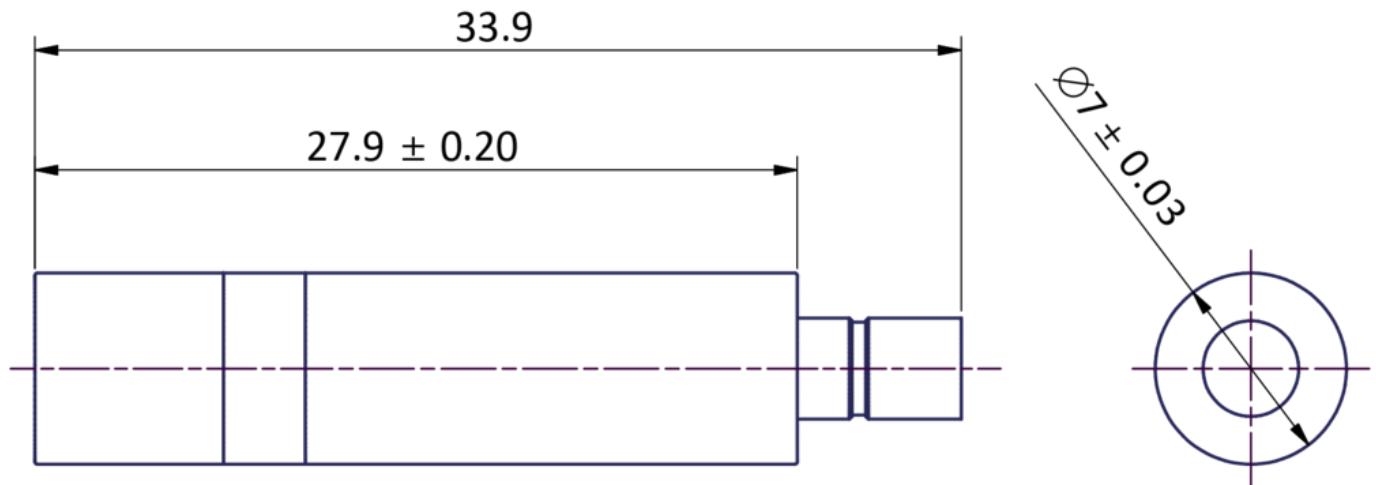
# Dimensions

mm

( ) 34

7

3.5 g / 0.12346 oz





<a href="#">GRAS AA0027</a>	3 m SMB - BNC Cable
<a href="#">AA0028</a>	10 m SMB - BNC Cable
<a href="#">GRAS AA0078</a>	3 m SMB angled - BNC Cable
<a href="#">GRAS AG0003</a>	Adapter for CCP preamplifier to 48V phantom power (BNC to XLR)
<a href="#">GRAS AL0028</a>	7 mm Microphone Holder, POM
<a href="#">GRAS 42AG</a>	Multifunction Sound Calibrator, Class 1
<a href="#">GRAS 42AP</a>	Intelligent Pistonphone, Class 0

GRAS Sound & Vibration

# 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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**GRAS**  
An Axiometrix Solutions Brand