

# EXTERNALLY POLARIZED MEASUREMENT MICROPHONES

## PRESSURE

### GRAS 40AG

#### ½" Pressure Microphone



High precision microphone for laboratory work and coupler measurements (e.g., in the RA0039 IEC 60318-1 (60318) Ear Simulator). Has a frequency range from 3.15 Hz to 20 kHz. Its size and low sensitivity makes it extremely robust and stable and it can measure sound pressure levels up to 164 dB.

### GRAS 40AP

#### ½" Pressure Microphone, High Sensitivity



High-sensitivity microphone with a frequency range from 3.15 Hz to 10 kHz. Can measure sound pressure levels down to 16 dB(A). May also be used as a random-incidence microphone.

*A front-vented version is available, 40AP-FV.*

### GRAS 40BP

#### ¼" Pressure Microphone



Low sensitivity microphone for sound measurements at high levels and high frequencies. Its low sensitivity makes it ideal for measuring high sound pressure levels of up to 169 dB. Its small size reduces the effects of diffraction and reflections around the microphone, resulting in a frequency range extending up to 70 kHz.

*A front-vented version is available, 40BP-FV.*

### GRAS 40BH

#### ¼" Pressure Microphone, High Pressure



Low sensitivity microphone for sound measurements at very high levels. Its very low sensitivity makes it ideal for measuring very high sound pressure levels up to 193 dB. Its small size reduces the effects of diffraction and reflections around the microphone, making it ideal for pulse measurements in frequencies up to 20 kHz.

### GRAS 40DP

#### ⅙" Pressure Microphone



Low sensitivity microphone for sound measurements at high frequencies and high levels. Its low sensitivity makes it ideal for measuring high sound pressure levels up to 178 dB. Its very small size reduces the effects of diffraction and reflections around the microphone, resulting in a frequency range extending up to 140 kHz.

	Size	Application	Sensitivity	Dynamic Range	Frequency Range	Polarization Voltage	IEC 61094 Designation
40AG	12.7 (½")	Pressure	12.5	25 – 160	3.15 – 20 k	200	WS2P
40BP	6.35 (¼")	Pressure	1.6	34 – 169	4 – 70 k	200	WS3P
40AP	12.7 (½")	Pressure	50	16 – 149	3.15 – 10 k	200	WS2P
40BH	6.35 (¼")	Pressure	0.4	54 – 193	10 – 20 k	200	WS3P
40DP	3.16 (⅙")	Pressure	1	49 – 178	6.5 – 140 k	200	-
Units	mm (housing)		mV/Pa	dB re. 20 µPa	Hz	V	

