

PREPOLARIZED MEASUREMENT MICROPHONES

PRESSURE

GRAS 40AD

½" Pressure Microphone, High Sensitivity



A high-sensitivity microphone with a frequency range from 3.15 Hz to 10 kHz. Requires no external polarization voltage. 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, 40AD-FV.

GRAS 40BD

¼" Pressure Microphone



Its low sensitivity makes it ideal for measuring high sound pressure levels up to 166 dB. Its small size reduces the effects of diffraction around the microphone, resulting in a frequency range extending up to 70 kHz.

A front-vented version is available, 40BD-FV.

GRAS 40AO

½" Pressure Microphone, Wide Frequency



A high precision microphone for laboratory work. Has a frequency range from 3.15 Hz to 20 kHz. Requires no external polarization voltage. Its size and lower sensitivity make it extremely robust and stable and it can measure sound pressure levels up to 163 dB.

A front-vented version is available, 40AO-FV.

GRAS 40DD

⅛" 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 of up to 175 dB. Its very small size reduces the effects of diffraction and reflections around the microphone, resulting in a frequency range extending up to 70 kHz.

	Size	Application	Sensitivity	Dynamic Range	Frequency Range	Polarization Voltage	IEC 61094 Designation
40AD	12.7 (½")	Pressure	50	16 – 148	3.15 – 10 k	0	WS2P
40AO	12.7 (½")	Pressure	12.5	25 – 163	3.15 – 20 k	0	WS2P
40BD	6.35 (¼")	Pressure	1.6	40 – 174	4 – 70 k	0	WS3P
40DD	3.16 (⅛")	Pressure	0.9	49 – 175	6.5 – 70 k	0	—
Units	mm (housing)		mV/Pa	dB re. 20 µPa	Hz	V	

