

EXTERNALLY & PREPOLARIZED INTENSITY MICROPHONES

GRAS 40AK

½" Ext. Polarized Intensity Microphone Kit



Complete kit of the 40AI phase-matched ½" Intensity Microphone pair, solid spacers and adapters for a pair of 26AA ¼" Preamplifiers.

The microphones have a free-field response optimized for use in face-to-face configuration and a high sensitivity to enable low level measurements. As a pair, they fulfill the phase requirements for Class 1 intensity microphones in accordance with IEC International Standard 61043.

The solid spacers are for intensity probe configurations using microphone separations of 12 mm, 25 mm, 50 mm and 100 mm to cover a full frequency range from 50 Hz to 10 kHz, and improve microphone protection even under the most adverse of measurement conditions.

Included are two right-angled adapters and one straight adapter for use with the 26AA ¼" Preamplifier pair.

GRAS 40BI

¼" Ext. Polarized Intensity Microphone Kit



Complete kit of two phase-matched ¼" intensity microphones, solid spacers and adapters for a pair of 26AA ¼" Preamplifiers. Used for measuring very high intensity levels which exceed the dynamic range of ½" intensity microphones (i.e., 40AI) or in situations where space is limited. The microphones have a free-field response optimized for use in face-to-face configuration. As a pair, they fulfill the phase requirements for Class 2 intensity microphones in accordance with IEC 61043.

The solid spacers are for configurations using microphone separations of 6 mm, 12 mm and 25 mm. The 6 mm spacer alone will cover a frequency range from 500 Hz to 20 kHz, and improves microphone protection even under the most adverse conditions. Included are two right-angled adapters and one straight adapter for use with the 26AA ¼" Preamplifier Set.

A prepolarized version is available, 40BI-S1.

GRAS 40AI

½" Ext. Polarized Intensity Microphone Pair



A pair of ½" phase-matched Intensity Microphones as used in 40AK, but without spacers and adapters.



GRAS 40GI

½" Prepolarized Intensity Microphone Pair



A pair of ½" prepolarized intensity microphones as used in 40GK, but without spacers and adapters.



GRAS 40GK

½" Prepolarized Intensity Microphone Kit



Complete kit of two phase-matched ½" prepolarized intensity microphones, solid spacers and adapters for a pair of 26CB ¼" CCP preamplifiers.

These prepolarized microphones have a free-field response optimized for use in face-to-face optimized intensity probes. As a pair, they fulfill the phase requirements for Class 1 intensity microphones in accordance with IEC 61043.

The solid spacers are for intensity probe configurations covering a full frequency range from 50 Hz to 10 kHz using microphone separations of 12 mm, 25 mm, 50 mm and 100 mm. Two right-angled adapters and one straight adapter for use with the 26CB ¼" CCP preamplifiers are included.

Specifications	40AI/40AK	40BI/40BI-S1	40GI/GK	Units
Sensitivity	25	4	12.5	mV/Pa
Dynamic Range	20 – 157	35 – 172	27 – 163	dB re. 20 µPa
Frequency Response	IEC 60651 Type 0	IEC 60651 Type 0	IEC 60651 Type 0	
Phase Response	IEC 61043 Class 1	IEC 61043 Class 2	IEC 61043 Class 1	
Polarization Voltage	200	200/0	0	V
Diameter	13.2	6.9	13.2	mm

