GRAS AM0376

Windscreen for Intensity Probes

Diameter x length: 95 x 190 mm
Slot for standard Intensity Probe
Material: Foam

The AM0376 is an elliptical windscreen for use with GRAS Sound Intensity Probe 50GI.

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Introduction

This windscreen fits "rugged Intensity Probes". Refer to the information for the Intensity Probe regarding compatibility. The windscreen is mounted by pushing it as far as possible over the microphones and preamplifiers. The windscreen is provided with holes for the microphone preamplifiers.

Design

When a microphone is placed in a laminar flow, turbulence is created which in turn results in unwanted pressure variations on the diaphragm. By using a windscreen the pressure variations are moved as far away from the diaphragm as possible.

Theoretically this supports a “the-bigger-the-better design”, but in practice it is a compromise between air speed reduction, practical size and self-induced noise. Self-induced noise is wobble-noise which is generated, when the windscreen starts moving around the microphone.

The GRAS windscreens have all a special, open-cell foam structure and the number of pores per inch^2 (ppi), are designed to resist a humid environment and at the same time not influence the sound pressure measurement result significantly. The shape of AM0376 is elliptical due to housing the microphones with the longest spacer.

Frequency dependent attenuation is to be expected if the windscreen gets wet. Therefore windscreens are not intended as rain protection of the microphone.

Quality & Warranty

GRAS accessories are made of stainless steel, alloys and high-quality composites. These items are covered by a 2 year warranty respecting their intended use.

On wear products like cables and windscreens, we offer a 6 month warranty.

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 to industries where acoustic measuring accuracy and repeatability is of utmost importance in R&D, QA and production. This includes applications and solutions for customers within the fields of aerospace, automotive, audiology, and consumer electronics. GRAS microphones are designed to live up to the high quality, durability and accuracy that our customers have come to expect and trust.

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

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