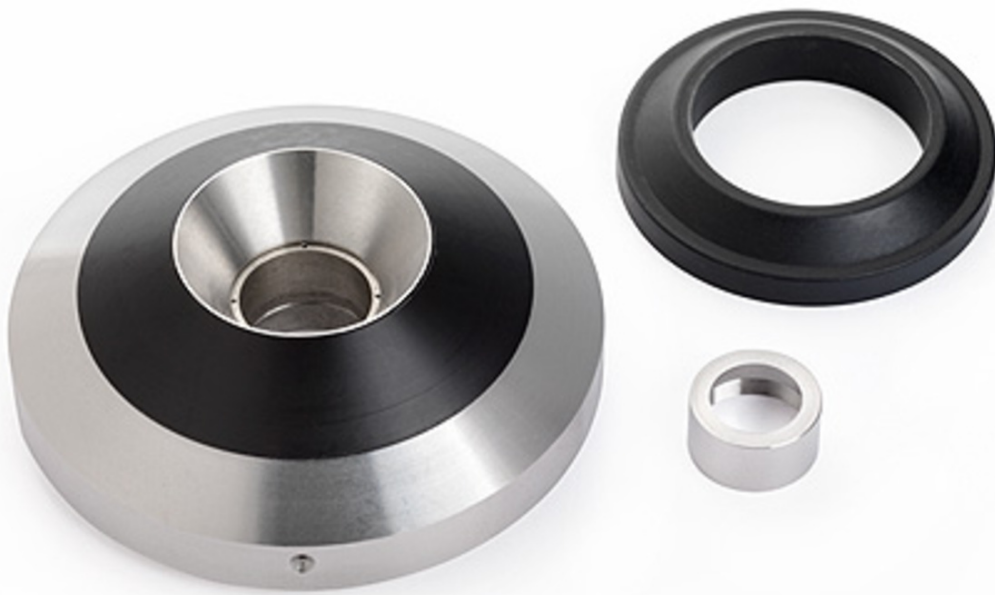


# GRAS RA0039

Ear Simulator according to IEC 60318-1



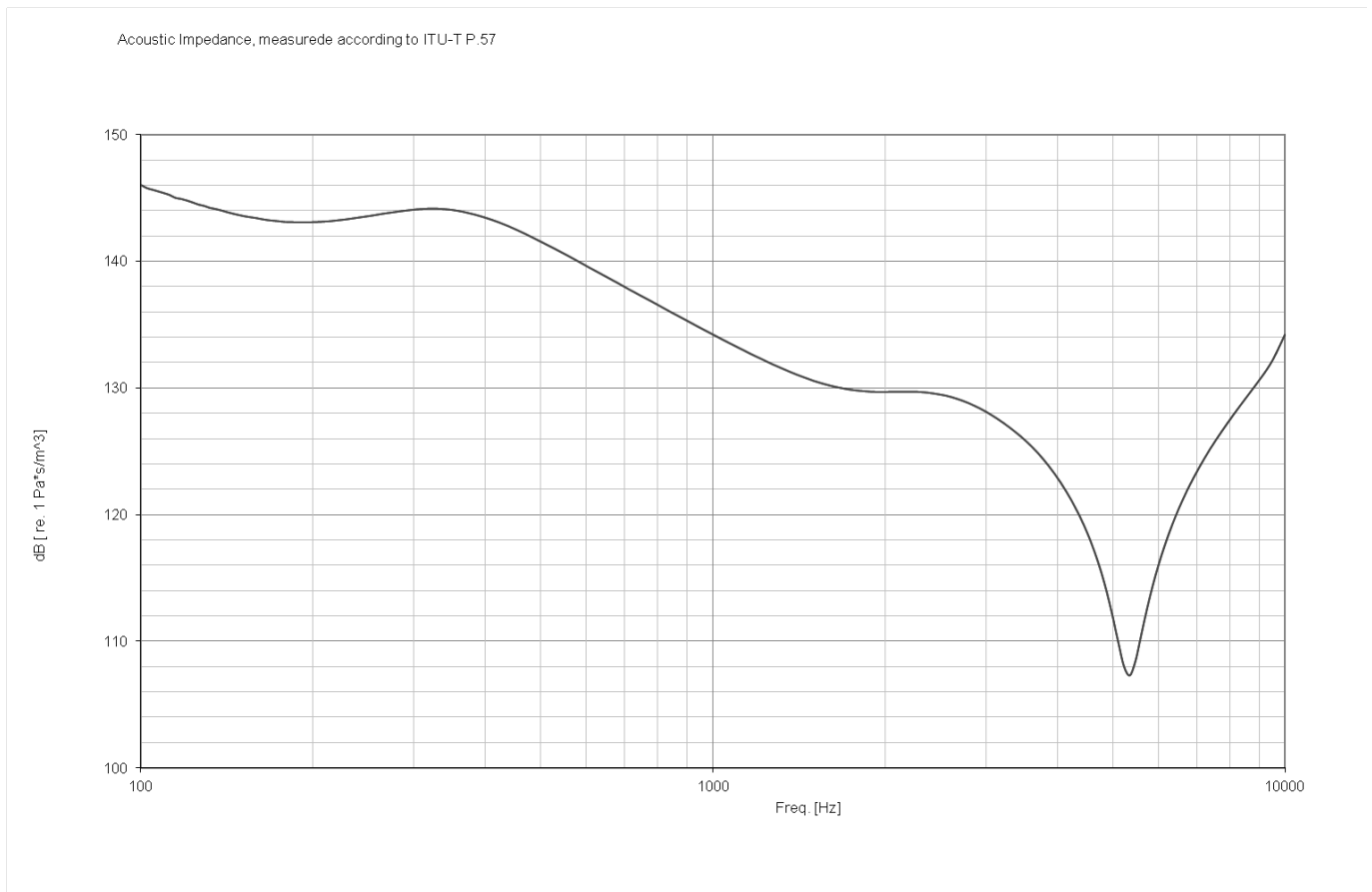
Volume: Complex  
ANSI: S3.7  
IEC: 60318-1

The GRAS IEC 318 RA0039 Ear Simulator is an ear simulator with an input impedance closely resembling that of an average human ear. When the RA0039 is coupled to a sound source, the impedance will load the sound source similar to the loading caused by the human ear. The RA0039 meets the requirements of IEC 60318-1:1998 Electroacoustics - "Simulators of human head and ear - Part 1: Ear simulator for the calibration of supra-aural earphones".

The RA0039 is measured and calibrated according to the ITU-T Recommendation P.57 (08/96) "Series P: Telephone transmission quality, Objective measuring apparatus: Artificial ears".

The RA0039 is also part of the [GRAS 43AA Artificial Ear](#) and [GRAS 43AD Artificial Ear](#).

Polarization/Connection		0 V / CCP
Humidity range non condensing	% RH	0 to 95
ANSI standard		S3.7
IEC standard		60318-1 (former 60318)
ITU-T recommendations		P.57
CE/RoHS compliant/WEEE registered		Yes/Yes, Yes
Weight	g / oz	155 / 5.47



*Acoustic input impedance of the RA0039*

GRAS Sound & Vibration reserves the right to change specifications and accessories without notice.

# 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