

# GRAS RA0039

Ear Simulator according to IEC 60318-1



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

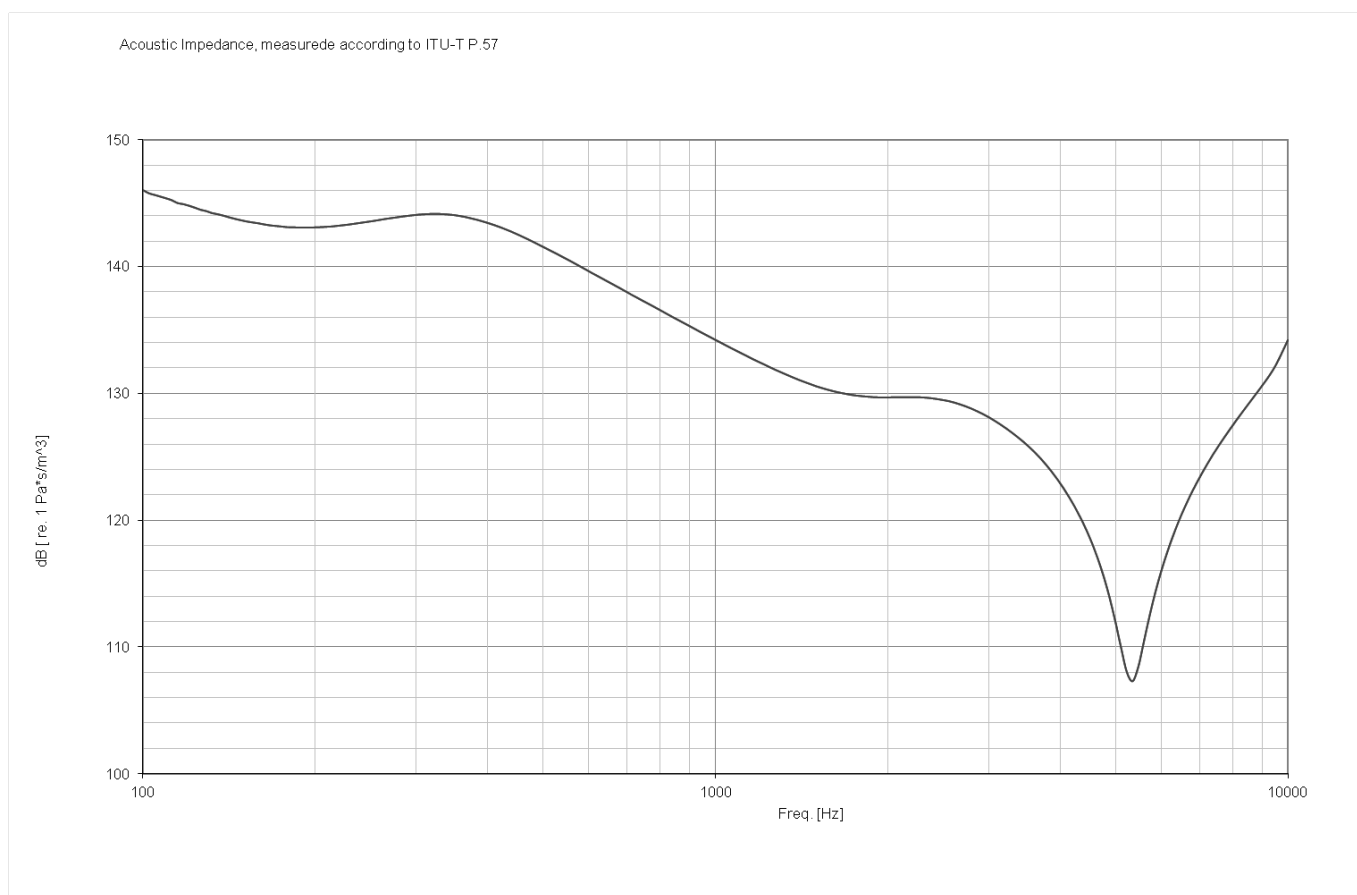
The GRAS IEC 318 RA0039 Ear Simulator is an ear simulator with an input impedance closely resembling that of an average human ear. When the RA0039 is coupled to a sound source, the impedance will load the sound source similar to the loading caused by the human ear. The RA0039 meets the requirements of 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.



|                                   |                 |                        |
|-----------------------------------|-----------------|------------------------|
| Coupler volume                    | mm <sup>3</sup> | 0.4 ccm                |
| 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.

# We Make Microphones

## Tradition

Since the establishment in 1994, GRAS has been 100% dedicated to developing and manufacturing high-quality measurement microphones and related acoustic equipment.

## Innovation

We work with everybody with an interest in sound or noise within the fields of aerospace, automotive, audiology, consumer electronics, noise monitoring, building acoustics and telecommunications.

## Quality

At GRAS we know that in order for you to trust your measurement results; signal quality, stability and robustness are essentials. We design and build them to perform under real life conditions – and beyond.

