

GRAS 90AA

Audiometer Calibration System



Freq range:

ANSI: S.1.40, S.1.43, S.1.11, S.3.6

IEC: 60318-1 & -2

The GRAS 90AA Audiometer Calibration System is easy and fast to set up and control and can be upgraded as your calibration needs change. From quick measuring of frequencies and test signal levels to harmonic distortion and representation of the values in one table together with the third octave band spectrum.

Typical applications and use

Typical users are

- Owners of Audiometers
 - Hospitals, ENT-department (ordinary and military)
 - Hearing clinics
 - Hearing aid fitters / dispensers
- Calibration service providers
 - Test houses / Certification labs
 - On-site calibration providers

Calibration of supra- and circum-aural and insert earphones

Free-field calibration and audiometric booth verification

Modular artificial ear systems according to standards

Dedicated audiometer calibration analyzer

Design

The GRAS 90AA Audiometer Calibration System is configured to meet the requirements of modern audio-meter calibration. It is easy and fast to set up and control, and can be upgraded as your calibration needs change. Two standard packages are available and several options can be added, depending on the type and features of the audiometer and respective ear-phones connected.

The 90AA Audiometer Calibration System includes artificial ears for TDH-39/49 and HDA-200 and an audiometer calibration analyzer.

ANSI standard

S1.40, S1.43, S1.11, S3.6

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

Included

GRAS 43AA-S7	IEC 60318-1 & 2 Artificial Ear
GRAS 43AF-S4	Artificial Ear w/NMS 9A 6cc coupler
GRAS AA0020-CL	LEMO 1B 7-pin Female - LEMO 1B 7-pin Male, Extension cable, custom length
GRAS HW1001	Audiometer Calibration Analyzer
GRAS 42AG	Multifunction Sound Calibrator
GRAS RA0184	Force Gauge (Newtonmeter)
GRAS KM0078	Audiometer Calibration System Suitcase
GRAS EL0001	Battery Alkaline LR6-AA 1.5V (4 pcs incl.)
GRAS LI0039	Manual

Optional

GRAS OP0001	Insert Earphone Option (IEC60318-5 2cc Reference Coupler RA0113 for 1" Microphone)
GRAS OP0002	Free-field Calibration Option (Free-field microphone 46AF, 10 m LEMO cable, tripod adapter and tripod)

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

GRAS Worldwide

Subsidiaries and distributors in more
than 40 countries

HEAD OFFICE, DENMARK
GRAS SOUND & VIBRATION
Skovlytoften 33
2840 Holte
Denmark
Tel: +45 4566 4046
www.gras.dk
gras@gras.dk

USA
GRAS SOUND & VIBRATION
5750 S.W. Arctic Drive
Beaverton, OR 97005
Tel: 503-627-0832
Toll Free: 800-231-7350
www.gras.us
sales@gras.us

CHINA
GRAS SOUND & VIBRATION
Room 303, Building T6
Hongqiaohui, 990, Shenchang Road
Minhang District, Shanghai
China, 201106
Tel: +86 21 64203370
www.gras.com.cn
cnsales@gras.dk



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