

GRAS 45AA

通讯测试头部支架



IEC 60318 or IEC 60711 depending on configuration

GRAS 45AA 通讯测试头部支架是根据国际标准和建议测试手机声学性能的特制夹具 GRAS 45AA的设计将精度与坚固的结构相结合，以确保稳定性和可重复性

When used with [GRAS 43AD artificial ear](#) or [GRAS 43AE IEC 60711 ear simulator](#), and a [GRAS 44AA/GRAS 44AB mouth simulator](#), it can be set up for testing telephone handsets in accordance with ITU-T recommendations.

applied by adding a small mass to the measurement object.

Positioning of the mouth

Four different, detachable precision brackets are provided for mounting the Mouth Simulator according to the standardised positions shown in the table for speaking into a telephone. These positions are maintained to within an accuracy of 1 mm. Reference gauges are available for verifying this.

Speaking Position	Recommendation
LRGP	ITU-T Rec. P76
AEN	ITU-T Rec. P76
HATS	ITU-T P58
REF	OREM A

Anti-vibration Mounts

The GRAS 45AA stands on four anti-vibration mounts to isolate it from extraneous vibrations which could otherwise lead to spurious measurement results.

Handset Alignment

The GRAS 45AA is provided with graduated guides and stops for aligning a telephone handset correctly in position over the Artificial Ear. Lateral guides are independently adjustable to cater for asymmetrical handsets.

Once aligned, an adjustable spring-loaded, padded clamp will hold the handset in position. As specified in some tests, an adjustable force may also be

IEC standard		Dep. on conf.
ITU-T recommendations		Dep. on conf.
CE/RoHS compliant/WEEE registered		Yes/Yes/Yes
Weight	g / oz	2300 / 81.13

Included items

-	4 different brackets for selecting direction of the Mouth Simulator
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Optional items

Notice that for creating a complete order list you need to find relevant accessories for the chosen GRAS 44AA, 44AB, 43AD and 43AE products. See www.gras.dk.

For test of the microphone in the handset

GRAS 44AA	Mouth Simulator (with built-in amplifier)
GRAS 44AB	Mouth Simulator

For test of the earpiece in the handset

GRAS 43AD	Artificial Ear for Telephone Test Head (IEC 60318)
GRAS 43AE	Ear Simulator (IEC 60318-4). Includes GRAS RA0056 Low-Leak Pinna Simulator & RA0057 High-Leak Pinna Simulator

For verifying the position (AEN & REF) of the Mouth Simulator

GRAS RA0141	Reference Gauges
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GRAS Sound & Vibration reserves the right to change specifications and accessories without notice.

GRAS Worldwide

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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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