

## Introduction

GRAS 45EA Handset Positioning System is designed for the head and torso simulator, GRAS KEMAR Manikin with Mouth Simulator. With this combination, you can make very realistic in-situ measurements on mobile telephones as well as conventional handsets.

You can mount the system on the KEMAR without additional tools. The system can be mounted on either side of KEMAR, and you can easily switch it from one side to the other side.

The main features are:

- Multi-adjustable in three planes (three moving segments), thus allowing handsets to be exactly positioned according to requirements and standards
- Simulating arm, wrist, palm, and fingers
- Handset fixture featuring a spring arrangement for easily attaching/detaching practically any mobile/cordless handset
- Adjustable force (pinna leakage pressure)
- Graduated scales at all positioning and force adjustments to ensure that any handset position/force adjustment is entirely defined for repeated measurements.
- Options for pinna size and hardness
- Applicable for both right and left ear

• to retrofit



• for ERP-positioning of handsets

There are two setup modes for the Handset Positioning System.

**ERP:** This mode uses the Ear Reference Point of the ITU-T P.57 Pinna Simulator, which is determined by the ERP-gauge included with the 45EA, or referred

to the EEP (ear entrance point).

# GRAS 45EA

## Handset Positioning System for KEMAR



The 45EA Handset Positioning System for KEMAR is an easy-to-use telephone measurement tool and advanced alternative to conventional telephone test fixtures. It is designed with maximum flexibility and acoustic performance in mind for laboratories and development environments that care about the acoustic quality of their products.

