



Microphone surround array MSA I mounted on HMS II.3

## DESCRIPTION

MSA I is mounted to the artificial head HMS II.3 via the thread on top of the head (use case "Telephone terminal at ear"). Alternatively, it can be mounted to the tripod HMT II (use case "Handheld hands-free") or the stand base SB MSA I (use case "Desktop hands-free").

Within the 3PASS system setup, MSA I forms part of the automated digital equalization of the whole system, thus allowing true-to-reality recordings of background noise scenarios while preserving the spatial characteristics of the recorded sound situation.

## APPLICATIONS

- Automated digital equalization of 3PASS systems (in conjunction with labBGN)
- Recordings of individual three-dimensional background noise scenarios



MSA I mounted on tripod HMT II and positioned in front of HMS II.3

## SYSTEM REQUIREMENTS

- **3PASS (Code 6990)** including corresponding system components (cf. 3PASS data sheet)

## FEATURES

- Preserves the essential spatial characteristics of background noise during recording
- User-friendly control via 3PASS software
- Simple connection to labBGN via a single HEADlink cable
- Mountable on artificial head, tripod or stand base, depending on the following use cases:
  - Telephone terminal at ear: HMS II.3
  - Handheld hands-free: Tripod HMT II
  - Desktop hands-free: Stand Base SB MSA I

## DATA SHEET

### MSA I (Code 6487) 8 Channel Microphone Surround Array (for System Equalization & Recording)

#### Overview

The microphone surround array MSA I is an essential system component of the new HEAD acoustics background noise simulation system 3PASS.

In conjunction with the 3PASS software, the front end labBGN and the artificial head HMS II.3, it is required for automated system equalization.

Moreover, it can be used for making individual recordings of three-dimensional noise scenarios in cases where the recordings included in the delivery of 3PASS are insufficient.

#### STANDARD DELIVERY ITEMS

**MSA I (Code 6487)** comprises the following components:

- Array with 8 microphones (detachable)
- Calibration adapter
- Adapter for mounting MSA I directly on tripod HMT II (M6 <> 3/8")
- CLL X.10 (Code 3780-10) 10m HEAD-link connection cable
- Carrying case
- Manual

#### RELATED PRODUCTS

- **3PASS (Code 6990):** 3-dimensional Playback of Acoustic Sound Scenarios
- **labBGN (Code 6486):** ACQUA**lab** (8+2 Channel) Background Noise Front End
- **HMS II.3-33 (Code 1230.1):** HEAD Measurement System, Basic Version with Ear Canal Coupler, Pinna Type 3.3 & Artificial Mouth (for use case "Telephone terminal at ear").  
Alternatively: B&K HATS 4128C (requires adapter MA MSA I)

#### ACCESSORIES

- **SB MSA I (Code 6489):** MSA I Stand Base (for Desktop Hands-free Equalization)
- **MA MSA I (Code 6488):** MSA I Mounting Adapter for Brüel & Kjaer HATS 4128C
- **HMT II (Code 1962):** HEAD Measurement Tripod (for use case "Handheld hands-free")

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