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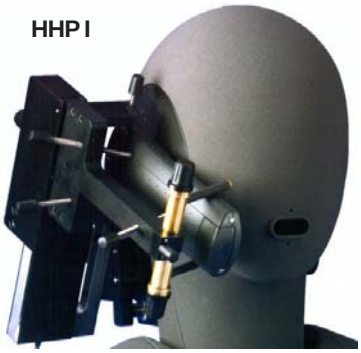
DATA SHEET

HHP Upgrades

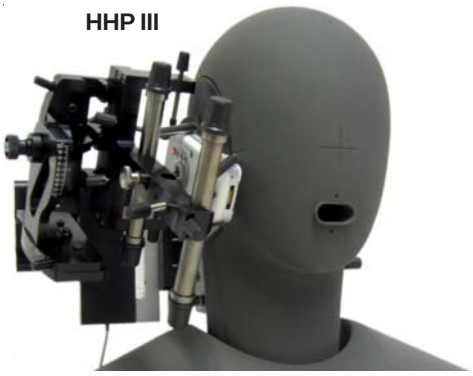
UG HHP I (Code 1355)
UG HHP II (Code 1379)
UG HHP II-33 (Code 1383)
UG HHP II.1-33 (Code 1380)
UG HHP II-III (Code 1401.1)
UG HHP II.1-III (Code 1401.2)
Upgrade HHP III to HHP III.1

HHP I

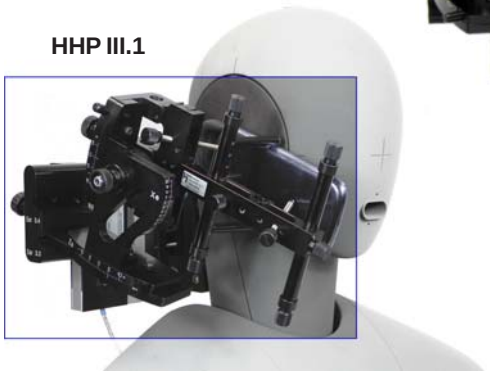


HHP II

HHP III



HHP III.1



Overview

HHP I, HHP II, HHP II.1, HHP III and HHP III.1 are five different handset positioning mechanisms developed and continuously improved by HEAD acoustics.

Each model can be upgraded to its successor model, e.g. HHP I can be turned into HHP II with UG HHP I, HHP II becomes HHP II.1 with UG HHP II and so on.

In addition, upgrades are available for HHP II and HHP II.1 to allow measurements with a type 3.3 artificial ear.

This data sheet gives an overview of the differences between the various HHP models and available upgrades.

Note: it is also possible to order certain HHP III and HHP III.1 spare parts individually, cf. corresponding data sheets!

DESCRIPTION

- **UG HHP I (Code 1355):**
  Upgrade of HHP I: clamping device of HHP I is replaced by clamping device of HHP II (two 62 mm clamping forks instead of one), thus allowing better fixation of handsets, especially e.g. small mobile phones.

- **UG HHP II (Code 1379):**
  Upgrade of HHP II: clamping device of HHP II is replaced by clamping device of HHP II.1, thus allowing greater handset width (up to 93 mm instead of 62 mm).

- **UG HHP II-33 (Code 1383)**:
  Upgrade of HHP II: adapter for measurements with artificial ear type 3.3 according to ITU-T P.64 (incl. 3.3 ear, 35 shore OO). Allows measurements of handsets where the anatomical shape of the outer ear is important.

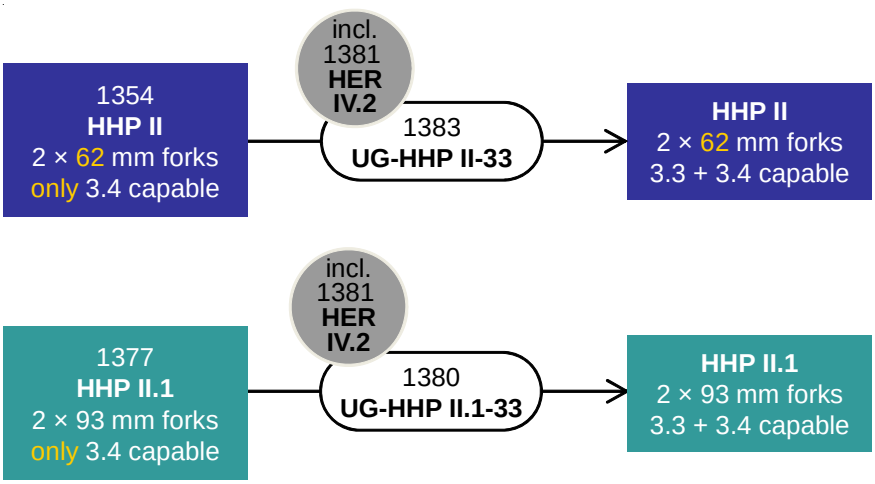
- **UG HHP II.1-33 (Code 1380):**
  Upgrade of HHP II.1: adapter for measurements with artificial ear type 3.3 according to ITU-T P.64 (incl. 3.3 ear, 35 shore OO). Allows measurements of handsets where the anatomical shape of the outer ear is important.

- **UG HHP II-III (Code 1401.1)**:
  Upgrade of HHP II: extends HHP II with 3D mechanism and Ym (ERP) scale, thus allowing measurements with 3.3 and 3.4 ears* as well as ERP related measurements. The maximum handset width remains unchanged (62 mm). ECRP centering within the Ye-Ze plane is possible (centering plates of HHP II with 5 mm scale, clamping forks without mm scale).

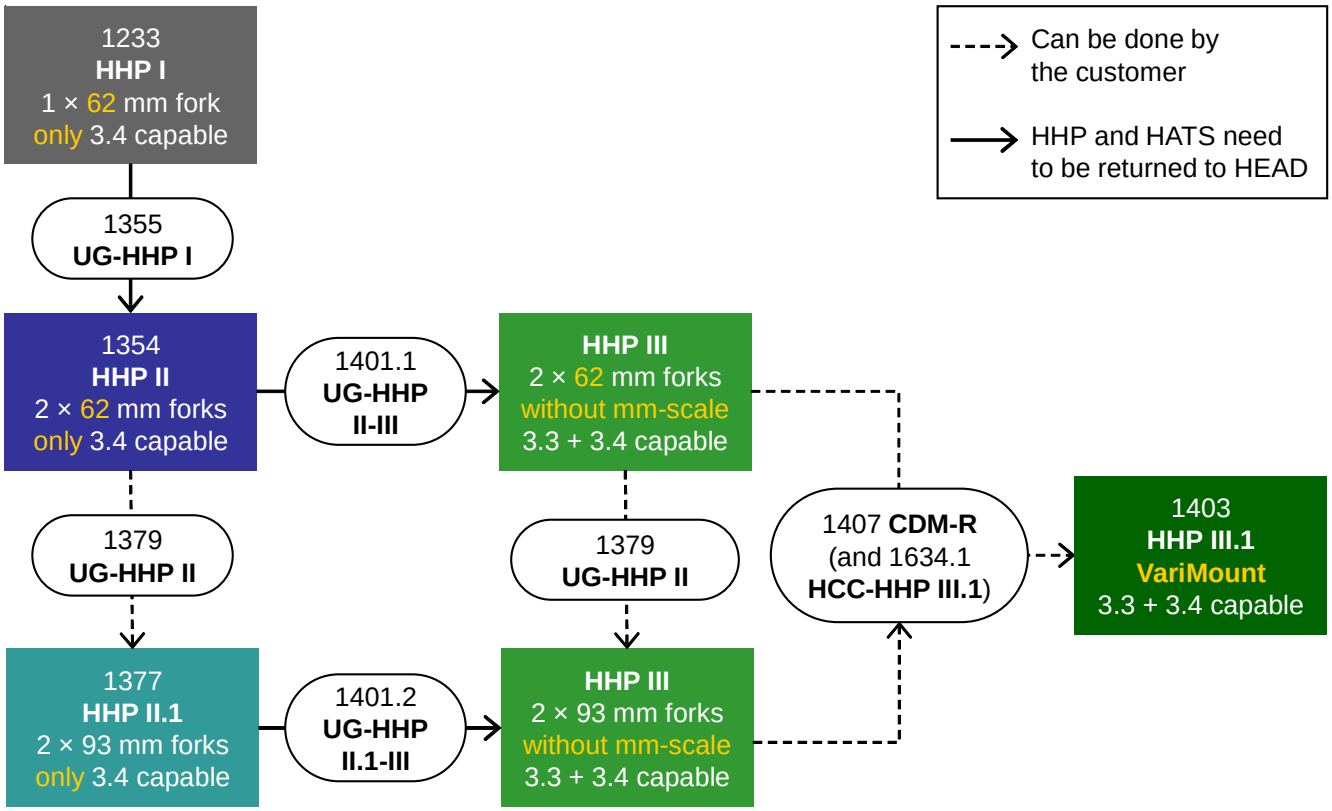
- **UG HHP II.1-III (Code 1401.2)**:
  Upgrade of HHP II.1: extends HHP II.1 with 3D mechanism and Ym (ERP) scale, thus allowing measurements with 3.3 and 3.4 ears* as well as ERP related measurements. ECRP positioning up to ± 15 mm within the Ye-Ze plane is possible (new ECRP positioning plate with mm scale included, clamping forks without mm scale).

- **Upgrade HHP III to HHP III.1**:
  Owners of HHP III can replace the old clamping device with the new clamping device CDM-R (Code 1407). In this case, it is recommended to also order the new carrying case HCC-HHP III.1. Thus, users can upgrade their existing HHP III to HHP III.1 and benefit from the light-weight construction as well as the improved variability of handset mounting.

** Note: requires corresponding pinna simulator (may have to be purchased separately)*



Upgrade paths for HHP II and HHP II.1 to 3.3 ear measurement capability



Essential upgrade paths for older HHP versions to HHP III / HHP III.1

	HHP I	HHP II	HHP II.1	HHP III	HHP III.1
Clamping Forks	1	2	2	2	2
Max. Handset Width (in mm)	62	62	93	93	93
Clamping Forks with mm Scale	-	-	-	X	X
ECRP Positioning Plate with mm scale	-	-	o	X	X
3D Moving Mechanism	-	o	o	X	X
ERP-related Measurements	-	o	o	X	X
Pinna Simulator Type 3.3 supported*	-	o	o	X	X
Pinna Simulator Type 3.4 supported*	X	X	X	X	X
Adjustable stop bolt at pos. jig	-	-	-	-	X
Demountable clamping jaws	-	-	-	-	X

* Note: requires corresponding pinna (may have to be purchased separately)

- = not available

o = optional (w ith upgrade)

X = included

Overview of main differences between HHP versions

represented by