

## Audiological Bulletin no. 45

Fitting Passion hearing aids with the iP5 programmer

News from Audiological Research and Communication

The fitting flow with the iP5 programmer is described in detail in the manuals “Fitting Inteo with the iP4 programmer, booklet 2”, “Fitting AIKIA with the iP5 programmer” and “Fitting Flash with the iP5 programmer”. The fitting flow for Passion follows the same steps as an Inteo or *m*-model fitting. In this bulletin you can read the specific information for fitting a Passion hearing aid with the iP5 programmer. To fit Passion hearing aids with the IP5 programmer you need iP5 software version number V4.4 or higher.

### Passion hearing aid models: instant open or with flex vent

The Passion hearing aid is available as an open fitting (wire open = wo) or as a closed fitting (wire flex = wf). The closed fitting can have an Instant receiver ear-tip or a Custom receiver ear-tip, both available with an optional vent.

Passion hearing aid model	iP5 display
Passion with open ear-tip	PA115-wo
Passion with closed, flex-vent earmould (Instant or Custom)	PA115-wf

Note that you cannot convert a Passion hearing aid to have a closed instead of an open acoustic identity and vice versa with the iP5 programmer. When connecting the Passion hearing aid, make sure that it has the desired acoustic identity, i.e. wire open or wire flex.

### Open fitting with Passion

When making an open fitting with Passion and the iP5 programmer, the Vent diameter menu is available as read-only. The vent diameter display shows Open. Sensogram measurements for the bands 250 Hz and 350 Hz are not supported for an open fitting with Passion.

### Selection of ear-tip: Instant flex or Custom flex




In Preconditions mode you have to specify the ear-tip that is mounted on the Passion hearing aid you want to fit. You also have to select the vent size of the ear-tip. This data is used to calculate the correct fitting values. For each of the ear-tips, there are predefined vent sizes you can select from. Before you can change the vent size, you have to select the ear-tip (INST or CUST).



Figure 1. Selecting ear-tip (Instant or Custom) and vent diameter in Preconditions mode

### Selection of vent sizes for Instant or Custom receiver ear-tips flex

In order to achieve fitting precision and the correct sound pressure level at the eardrum you have to know how a vent in a Passion receiver ear-tip flex influences the acoustic situation compared to a traditional classic earmould. To achieve an equivalent vent effect with a Passion receiver ear-tip flex find the corresponding vent size for a classic earmould and translate this to the vent diameter for a Passion Instant or Custom ear-tip flex in the table below.

Classic earmould for BTE hearing aids - vent diameter (mm)	Custom receiver ear-tip flex - vent diameter (mm)	Instant receiver ear-tip flex - vent diameter (mm)
		
1	No vent	1.0
1.5	0.8	1.0
2.0	1.0	1.7
2.5	1.2	1.7
3.0	1.4	1.7
4.0	1.7	1.7

### How to read this table

Example 1: If you decided to give your client a vent of 2 mm in a classic earmould, you would select a 1.0 mm vent diameter in a Passion Custom receiver ear-tip flex or 1.7 mm in an Instant receiver ear-tip flex to achieve the desired vent effect.

Example 2: If you decided to give your client a vent of 3 mm in a classic earmould, you would select a 1.4 mm vent diameter in a Passion Custom receiver ear-tip flex or a 1.7 mm Instant receiver ear-tip flex to achieve the desired vent effect.

### Prom version for Passion V4.4

To fit Passion hearing aids with the iP5 programmer you need iP5 prom version number V4.4 or higher. For instructions on how to insert the new PROM in the iP5 programmer, see the manual “Fitting AIKIA with the iP5 programmer” or “Fitting Flash with the iP5 programmer”.

### Limitations when fitting Passion hearing aids with the iP5 programmer

The following features cannot be accessed or fine tuned with the iP5 programmer:

- Sound Diary
- Conversion of Passion wire open to wire flex and vice versa
- Use of individual RECD data
- Less flexibility in fine tuning options
- Hearing aid configuration
- Compass solution guide
- No record of selected ear-set tubing, ear-set tip and vent sizes.