Real Ear

PC Werth AUDIOLOGY equipment

Primus
Real Ear Fitting System

The Primus Fitting System contains all the functions required to perform audiometry, real ear measurements, counselling and, when required, testing of hearing instruments. The system operates within the NOAH framework and you can use it simultaneously with the proprietary hearing instrument fitting software of your choice.

AUD

- Full-featured audiometry
- Future proof fitting system
- Predefined workflows for easy navigation
- Professional counseling
- Innovative client view
- Compatible with NOAH and certified office management systems

REM

- Classic real ear measurements

HIT

- Full-featured hearing instrument testing and troubleshooting
- Automated test sequences
- Innovative historic overview

Historic overview at a glance

The Primus Fitting System instantly loads all past measurements when a customer is presented on screen, giving you access to all historical data on the patent and has thus been referred to as the most advanced stand-alone system in field tests.

Choose freely between the AUD, REM or HIT modules – or choose them all to offer your clients the full package and ensure a spot among the best private audiologists.

Audiometry for real

Primus AUD is a PC based audiometry module providing a wide range of possibilities within pure tone , bone conducton and speech audiometry. Hence everything you need to offer audiometry for real.

Classic Real Ear Measurements

With Primus REM you can perform the full range of real-ear measurements: Unaided, Occluded and Aided Response as well as Insertion Gain. Toggling between SPL and Gain shows the response measurements in gain view.

Tasks you have visited will have a green check-mark icon next to it.
Next task on the list will have a yellow icon with lines in it
The remaining tasks will have an icon of a neutral colour with an x inside it

Primus' left-hand panel forms a navigation list that reflects the main sections of the program being Audiometry, Counselling, Real Ear Measurements and Hearing Instrument Test and their sequence of use.

Professional counselling

A battery of topic related guidelines with sound files and picture browser complete the Primus Fitng System giving professional customer care

Use your own electronic documents, photos or on-line internet materials for customized counselling.

All inclusive solution - minimal cost effective calibration downtime

Primus AUD includes the unique Primus headsets that hold their own calibration and are easily replaced without any system downtme.

Efficient hearing instrument testing

Primus HIT unit offers full featured technical measurements for instruments. The tests can be run as an automatic test sequence in accordance with European standards.
The HIT Unit is powered by a USB connecton from the PC and can be placed at the most convenient working place.

Easy navigation by defined workflows

In the default or customised set-up, the tasks on the Navigaton panel reflect the workflow during a typical series of sessions with check-list icons suggestng workflow sequences.

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Your Partner in Audiology Solutions

PC Werth
Advanced Sound Technologies

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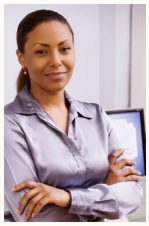

With Primus Fitting System I'll be able to perform the standard audiometry and real ear measurements I am used to. And with the small-size AUD/REM fitting unit, I will even be able to make home visits carrying nothing but my laptop case with everything I need!

Claudia Bitsch
Hörgeräte-Meister

Technical specifications

Standards	Audiometry	Tone: IEC 60645-1 / ANSI S3.6 Type 1 Speech: EN 60645-2 / ANSI S3.6 Type A or A-E	
	Real Ear Measurement	Classic Real Ear Measurements, compliant with part of EN 61669 and part of ANSI S3.46	
	Hearing Instrument Testing	IEC 60118-7 and ANSI S3.22	
	Safety	IEC 60601-1, Class 1, Type B	
	EMC	IEC 60601-2	
Tone Testing	Tests	HTL, MCL, UCL, BCL, FF, FF-A	
	Output	AC, BC and Free Field	
	Transducers	Primus Insert, TDH39, HDA280, HDA200, B71 and Free Field Speakers	
	Frequency Range	125 Hz to 16kHz	
	Hearing Levels	-10 dB HL up to 120 dB HL (maximum output is limited by transducer capability)	
Real Ear Measurement	Tests	REUR/REUG, REOR/REOG, REAR, REIG, RECD	
	Output	Free Field	
	Transducers	Primus Probe set	
	Frequency Range	125 Hz – 16 kHz	
	Frequency Resolution	1/24th octave based on 2048 pt. FFT	
	Signal Levels	50 - 90 dB SPL	
Hearing Instrument Testing	Tests	OSPL90 Full On Gain Input/Output Attack/Recovery Time Reference Test Gain	Frequency Response Equivalent Input Noise Harmonic Distortion Battery Current Drain TeleCoil
	Output	Loudspeaker or Telecoil	
	Frequency Range	125 Hz - 8 kHz	
	Frequency Resolution	1/6, 1/24th octave based on 2048 pt. FFT	
	Signal Levels	50 - 90 dB SPL	
	Stimuli Distortion	Less than 1%	
	Stimuli	Pure tone, modulated tone, narrowband noise, white noise, speech-weighted noise, and pink noise	
	Step size		
Instrument	Power supply	USB, and external power supply for elevated outputs	
	Dimensions	350 x 120 x 130 mm (345 x 110 x 35 mm without cover)	
	Weight	800 g (475 g without cover)	
	Connections	AC1, AC2, AC3 (HF), BC, Client Response, Real Ear Primus Probes, Talk Back Microphone, Operator Monitor, Left and Right Talk Over/Live Speech, Client Headset, FF1, FF2, FF3, Left and Right Loudspeaker, USB and DC	
PC minimum requrements	CPU	Minimum 1.4 GHz processor with 512 MB (1 GB recommended) system RAM.	
	Harddisk space	1 GB free harddisk space for Primus	
	Operating system	Windows XP Professional SP2 (32-bit), Windows Vista (32-bit), including: Vista Home Basic, Vista Home Premium, Vista Business, Vista Enterprise, Vista Ultimate	
	Graphics card	1024 x 768. XVGA, Dual monitor output recommended	
	Connections	CD drive and USB 2.0 connection required	

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