

Technical specifications

Breaking new concept - rent your fitting system

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	
Hearing Instrument Testing	Signal Levels	50 - 90 dB SPL	
	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 requirements		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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Choose the right system



The Primus Fitting System contains all the functions required to perform audiometry, real ear measurements and 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 systems of your choice.

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 audiometry, bone conduction audiometry and speech audiometry. Hence everything you need to offer audiometry for real.



Classic Real Ear Measurements

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

Efficient hearing instrument testing

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

Easy navigation by defined workflows

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

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

- 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 Fitting System for professional customer care supporting also the branch conformity in hearing assessments.

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

All inclusive solution - no calibration downtime

Primus AUD includes the Primus Fitting Unit, Primus Inserts and the unique Primus Probes that hold calibration thus is easily replaced without any system downtime.

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 patient and has thus been referred to as the most advanced stand-alone system in field tests.

Doing business with Real Ear



It's SAFE being a Real Ear customer

Our highly skilled employees with years of experience in the hearing industry are proud to offer a modern and up to date solution that keeps with the newest industry standards.

It's FLEXIBLE being a Real Ear customer

As a customer you are ensured a fast and easy start-up, automatic calibrations and a short contract period.

It's EASY being a Real Ear customer

You have access to online software updates around the clock and calibrations are done without any downtime. You pay a regular low price – all inclusive.