



Primus Pro

Datasheet

Auditdata

Standards	Audiometry	Tone: IEC 60645-1:2012, 60645-4:1994 / ANSI S3.6:2010 Type 1 Speech: IEC 60645-2:1997 / ANSI S3.6:2010 Type A or A-E
	REM	IEC 61669:2015, ANSI S3.46:2013, ISO 12124:2001
	Safety	IEC 60601-1:2005+A1:2012, Class 2, Type B
	EMC	IEC 60601-1-2:2014
	Calibration	ISO 389-7:2005
Tone Testing	Tests	HTL, MCL, UCL, BCL, FF, FF-A, Weber test, SISI Test, Hughson-Westlake method, TEN Test (CD required)
	Output	AC, BC, and Free Field
	Transducers	Insert Earphone, TDH-39, DD45, DD450, DD65, DD65v2, HDA-200, HDA-280, HDA-300, B-71, ER-3A, ER-3C, and Free Field Speakers
	Frequency Range	125 Hz to 16 kHz
	Hearing Levels	-10 dB HL up to 120 dB HL (max. output is limited by transducer capability)
	Stimuli Distortion	Less than 1%
	Stimuli	Pure tone, pulsed pure tone, warble, pulsed warble, narrowband noise, and pulsed narrowband noise
	Masking Noise	Narrowband noise, white noise, speech noise
	Extended Range	+20 dB
	Tone Switch	Manual or 0.1 - 5 sec. tone duration
	Client Response System	Handheld push button
	Monitoring	Operator Monitor for talk-back and stimuli monitoring
	Talk Over / Talk Back	Full bi-directional client communication with two-channel operator microphones
	Client Safety	Max. level limiter (max 100 dB w/o extended range, UCL limiter)
Speech Testing	Tests	SRT, MCL, UCL, SD, SD-A, SDN, SDN-A, and QuickSIN (CD required)
	Output	AC, BC, and Free Field
	Transducers	Insert Earphone, TDH-39, DD45, DD450, DD65, DD65v2, HDA-200, HDA-280, HDA-300, B-71, ER-3A, ER-3C, and Free Field Loudspeakers
	Stimuli	CD, Sound Library, or Live voice using operator microphone
	Masking Noise	Speech noise, white noise, CD and sound files
	Monitoring	Operator Monitor for talk-back and stimuli monitoring
	Talk Over / Talk Back	Full bi-directional client communication with two-channel operator microphones
REM/SM Testing	Tests	REM - REUR/REUG, REOR/REOG, REAR/REAG, REIG, RECD FF, and RECD Insert SM - Speech Mapping, Noise Reduction, Speech in noise, Comfort Optimizer, REUR/REUG, REAR/REAG, REIG, Percentile
	Output	Free Field, AC
	Transducers	Real Ear Probe, REM Probe Flex, Insert Earphone for RECD
	Stimuli	ICRA noises, ISTS, ISTS-MPO, white noise, pink noise, speech noise, speech noise – ILTASS, Live speech, Pre-recorded sound files, DSL 's' and 'sh' sounds
	Frequency Range	125 Hz to 16 kHz
	Frequency Resolution	1/3 rd , 1/24 th octave based on 2048 pt. FFT
	Signal Levels	50 - 90 dB SPL
	Stimuli Distortion	Less than 1%
	Monitoring	Operator Monitor for talk-back and stimuli monitoring
	Client Safety	UCL limiter
Instrument	Power Supply	USB and external power supply for elevated outputs
	Dimensions	345 x 110 x 35 mm (360 x 120 x 96 mm with cover)
	Weight	900 g (500 g without cover)
	Connections	USB, DC power, and S/PDIF; Free Field Speakers (Left, Middle and Right), Free Field Line Out (1-3), Demo Headset, Option, Operator Microphone (Left and Right), Talk Back Microphone, Monitor Headset; AC1, AC2, AC3 (HF), BC, Client Response Button, and Real Ear Probe.

PC Minimum Requirements	CPU	Minimum 2 GHz processor (recommended 2 GHz or higher multi core) with 2 GB system RAM (4 GB or more recommended)
	Hard Disk Space	2 GB free hard disk space for Primus
	Operating System	Windows 7 (32 & 64-bit), Windows 8.1 (32 & 64-bit), Windows 10 and Windows 10 Anniversary Update
	Screen Resolution	1024 x 768 (1280 x 1024 recommended)
	Graphics Card	XVGA (dual monitor output recommended)
	Connections	CD drive required for speech test CD's. USB 2.0 connection required.
	Noah Compatibility	Noah 4

STANDARD & OPTIONAL PARTS

Standard Accessories	90.3029	PFU Pro
	90.3009	Client Response
	91.0102	DC Adaptor
	91.0103	USB cord
	PN00074	Top Cover
	1010.406	Loudspeaker cable with black plug
	91.0601	USB stick with software
	PN00122	Quick Installation Guide
Software Modules	40.0005	Audiometry – SW module
	40.0022	Audiometry ST – SW module
	40.0023	Audiometry HF – SW module
	40.0006	Real Ear Measurement – SW module
	40.0009	Speech Mapping – SW module
Optional Parts	90.3003	Real Ear Insert Earphone
	90.3004	Real Ear Probe
	90.3031	REM Probe Flex
	90.3017	TDH 39
	90.3024	HDA 300
	90.3008	Bone Conductor – B-71
	90.3012	DD45
	90.3037	DD450
	90.3038	DD65v2
	90.3042	ER-3C
	91.0718	Headset with mic. -S (Talk over)
	91.0106	Microphone (Talk back)
	91.0108	Free Field Speaker
	91.0110	USB Isolation Cord
	91.0709	Sound chamber cable set w. ID chip
Consumables	90.4015	Ear Hanger (4 Pieces)
	91.0202	E-A-RLINK 3B (Small, 50 pcs)
	91.0203	E-A-RLINK 3A (Medium, 50 pcs)
	91.0204	E-A-RLINK 3C (Large, 24 pcs)
	91.0205	Insert Tube with Nipples
	91.0302	Probe tube guide (8 pcs)
	91.0303	Probe tubes (36 pcs)