Datasheet
PRIMUS *Pro*

Standards	Audiometry	Tone: IEC 60645-1:2012 / ANSI S3.6:2010 Type 1
		Speech: IEC 60645-2:1997 / ANSI S3.6:2010 Type A or A-E
	REM	EN 61669:2001, ANSI S3.46:1997, ISO 12124:2001
	Safety	EN 60601-1/A1:2013, Class 2, Type B
	EMC	IEC 60601-1-2
	Calibration	ISO 389-7:2005
Tone Testing	Tests	HTL, MCL, UCL, BCL, FF, FF-A, Weber test, SISI Test, Hughson-Westlake method, TEN Test and Quick SIN Test (CDs required)
	Output	AC, BC, and Free Field
	Transducers	Primus Insert, TDH-39, HDA-200, HDA-280, HDA-300, B-71, EAR 3A, DD45, DD65, and three 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, and speech noise
	Extended Range	+20 dB
	Tone Switch	Manual or 0.1 - 5 sec. tone duration
	Client Response System	Hand held 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	Output	AC, BC, and Free Field
	Transducers	Primus Insert, TDH-39, DD45, DD65, HDA-200, HDA-280, HDA-300, EAR 3A, B-71, and three Free Field Loudspeakers
	Stimuli	CD, Sound Library or Live voice using operator microphone
REM/SM Testing	Tests	REM - REUR, REUG, REOR, REOG, REAR, REIG, RECD FF, and RECD Insert
		SM - Speech Mapping, Noise Reduction, Speech in noise, Comfort Optimizer, Hearing Loss Simulator, Hearing Instrument Simulator, REUR/REUG
	Output	Free Field
	Transducers	Primus Probe set
	Stimuli	ICRA noises, ISTS, ISTS-MPO, white noise, pink noise, speech noise, speech noise - ILTASS plus Live speech, Pre-recorded sound files, DSL 's' and 'sh' sounds
	Frequency Range	125 Hz to 16 kHz
	Frequency Resolution	1/24th and 1/3rd 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	360 x 120 x 96 mm (345 x 112 x 35 mm without 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, and Monitor Headset; AC1, AC2, AC3 (HF), BC, Client Response Button, and Real Ear Probe.

auditdata

Your Partner in Audiology Solutions

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 XP Professional SP2 (32 & 64-bit), Windows 7 (32 & 64-bit), includ. Home Premium, Professional and Ultimate, Windows 8 and 8.1 (32 & 64-bit), Windows 10
	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 for PC.
	Noah Compatibility	Noah 3.7 and Noah 4

STANDARD & OPTIONAL PARTS

	Part Number	Part Name
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 Feature Packs	40.0005/40.0006	AUD Feature pack/ REM Feature pack
	40.0008	AUD/REM Feature pack
	40.0016	AUD/SM Feature pack
	40.0017	REM/SM Feature pack
	40.0018	AUD+REM/SM Feature pack
	40.0009	Speech Mapping Feature pack
	40.0013	Comfort Optimizer Feature pack
Optional Parts	90.3003	Insert Earphone
	90.3004/90.3031	Real Ear Probe/REM Probe Flex
	90.3017	TDH-39
	90.3024	HDA-300
	90.3008	Bone Conductor – B-71
	90.3012/90.3036	DD45/ DD65
	90.3014	EAR 3A
	91.0104/91.0105	Headset with mic. (Talk over)/ Headset without mic
	91.0106	Microphone (Talk back)
	91.0108	Free Field Speaker
	91.0110	USB Isolation Cord
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
	91.0302/91.0303	Probe tube guide (8 pcs)/ Probe tubes (36 pcs)
	91.0108	Free Field Speaker
	91.0110	USB Isolation Cord