

## Datasheet

# PRIMUS *ICE* Audiometer Unit



<b>Standards</b>	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	
	Safety	EN 60601-1/A1:2013, Class 2, Type B	
	EMC	IEC 60601-1-2	
	Calibration	ISO 389-7:2005	
<b>Tone Testing</b>	Tests	HTL, MCL, UCL, BCL, FF, FF-A, Weber test, Hughson-Westlake, SISI test, TEN Test and Quick SIN Test (CDs required)	
	Output	AC, BC and Free Field	
	Transducers	Primus Insert, TDH39, B71, EAR 3A, DD45, DD65, and two Free Field Speakers	
	Frequency Range	125 Hz to 8 kHz	
	Hearing Levels	-10 dB HL up to 120 dB HL (maximum 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-weighted 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 an operator microphone	
	Client safety	Maximum level limiter (max 100 dB without extended range, UCL limiter)	
	<b>Speech Testing</b>	Output	AC, BC, and Free Field
		Transducers	Primus Insert, TDH39, DD45, DD65, ER 3A, B71, and two Free Field Loudspeakers
Stimuli		CD, Sound Library or Live voice using operator microphone	
<b>Instrument</b>	Power supply	USB and external power supply for elevated outputs	
	Dimensions	181 x 115 x 94 mm (167 x 110 x 32 mm without cover)	
	Weight	550 g (375 g without cover)	
	Connections	AC, BC, Client Response Button, Talk Back Microphone, Monitor Headset, Operator Microphone, Free Field Speakers (Left and Right), USB and DC power. Line Out/Demo	
<b>PC minimum requirements</b>	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-bit & 64-bit), Windows 7 (32 & 64-bit), including 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 is required if speech test CD's are used. USB 2.0 connection required for PC.	
	Noah compatibility	Noah 3.7 and Noah 4	

# STANDARD & OPTIONAL PARTS

	Part number	Part name
<b>Standard accessories</b>	90.3030	Primus Ice - Primus Audiometer Unit
	90.3009	Client Response
	91.0102	DC Adaptor
	91.0103	USB cord
	PN00244	Top Cover
	1010.406	Loudspeaker cable with black plug
	91.0601	USB stick with software
	PN00122	Quick Installation Guide
<b>Software feature packs</b>	40.0020	Primus Ice - AUD Feature pack
<b>Optional parts</b>	90.3003	Insert Earphone
	90.3017	TDH 39
	90.3008	Bone Conductor - B71
	90.3012	DD45
	90.3036	DD65
	90.3014	ER-3A
	91.0104	Headset with mic. (Talk over)
	91.0105	Headset without mic
	91.0106	Microphone (Talk back)
	91.0108	Free Field Speaker
	91.0110	USB Isolation Cord
<b>Consumables</b>	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

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