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Technical Specifications

AD226



D-0106126-F – 2021/09



Interacoustics



License overview

International configuration AD226		
	Basic license WW	Extended license
Licenses Audiometry		
Basic Audiometry (AC/BC)	x	x
ABLB	x	x
Stenger	x	x
Modified Hughson-Westlake	x	x
Békésy		x
SISI		x
Langenbeck		x
Hybrid mode - PC controlled mode	optional	optional
Sync mode – Audiogram transfer	optional	optional



Languages supported in IMP and AUD

	Chinese	Czech	English	Finnish	French	German	Greek	Italian	Japanese	Korean	Norwegian	Polish	Portuguese	Russian	Spanish	Turkish
IMP																
MT10			X		X	X										
Existing AT235			X			X										
New AT235	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Existing AA222			X			X										
New AA222	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Titan	X	X	X		X	X		X	X	X			X	X	X	
AUD																
AS608			X		X	X									X	
AD226	X		X		X	X		X				X	X	X	X	X
AD629 / AD229	X *	X *	X	X *	X	X	X *	X	X *	X *	X *	X	X *	X *	X	X
AC40	X *	X *	X	X *	X	X	X *	X	X *	X *	X *	X	X *	X *	X	X
Suites																
Titan suite	X	X	X		X	X		X	X			X	X	X	X	X
DS	X	X	X		X	X	X	X	X	X		X	X	X	X	X



Included and optional parts

Included parts	DD45 Audiometric headset B71 Bone conductor APS3 Patient response button Power supply Operation manual CD Multilingual CE instructions for use
Optional parts	Diagnostic Suite software OtoAccess® database 21925 Amplivox audiocups, noise reducing headset Carrying case (Standard or Trolley Style) EARTone3A Audiometric insert phones TDH39 Audiometric headset CIR33 Insert earphone set for masking or monitoring IP30 Insert phones DD45 Audiometric headset P3100 (Pediatric headband) DD450 Audiometric headset DD65v2 Audiometric Headset



General technical specifications

Safety standards	IEC 60601-1:2005, ES60601-1:2005/A2:2010, CAN/CSA-C22.2 No 60601-1-:2008 Class I, Type B applied parts	
EMC standard	IEC 60601-1-2:2007	
Medical CE-mark	Yes	
Audiometer standards	Tone: IEC 60645-1:2012/ANSI S3.6:2010, Type 3	
Calibration	Calibration information and instructions is located in the AD226 Service manual	
Air conduction	TDH39: DD45: E.A.R Tone 3A: IP30 DD450 DD65 v2	ISO 389-1 1998, ANSI S3.6-2010 ANSI S3.6 2018 / ISO 389-1 2017 ISO 389-2 1994, ANSI S3.6-2010 ISO 389-2 1994, ANSI S3.6-2018 ANSI S3.6 – 2018 ANSI S3.6 2018
Bone conduction	B71: Placement:	ISO 389-3 1994, ANSI S3.6-2010 Mastoid
Effective masking	ISO 389-4 1994, ANSI S3.6-2010	
Transducers	TDH39 DD45 B71 Bone DD450 E.A.R Tone 3A: IP30 DD65 v2	Headband Static Force 4.5N ±0.5N Headband Static Force 4.5N ±0.5N Headband Static Force 5.4N ±0.5N Headband Static Force 10N ±0.5N Headband Static Force 11.5N ±0.5N
Patient response switch	One push button.	
Patient communication	Talk Forward (TF)	
Special tests/test battery (only extended version)	<ul style="list-style-type: none"> • Stenger • ABLB • Langenbeck (tone in noise) • SISI • Auto threshold: <ul style="list-style-type: none"> ○ Hughson Westlake ○ Békésy 	
Inputs	Tone, Warble Tone +5%, 5 Hz (true sine wave frequency modulation)	
Outputs	Left, Right, Bone L+R, Insert Phones, Insert Masking	
Stimuli		
Tone	125-8000 Hz	
Warble tone	5 Hz sine +/- 5% modulation	
Masking	Narrow band noise: IEC 60645-1 2012, 5/12 octave filter with the same centre frequency resolution as pure tone Synchronous masking: Locks channel 2 attenuator to channel 1 attenuator.	
Presentation	Manual or Reverse. Single pulse. Multiple pulses 50-5000 msec. on/off.	
Intensity	AC: -10 to 120 dB HL BC: -10 to 80 dB Available intensity steps are 1, 2 or 5 dB Extended range function: If not activated, the air conduction output will be limited to 20 dB below maximum output. Extended range only available when mains powered	
Frequency range	125 Hz to 8 kHz. 125 Hz, 250 Hz, 500 Hz, 750 Hz, 1500 Hz or 8 kHz may freely be deselected	
Internal storage	500 clients	



Data connections (sockets) for connection of accessories	1 x USB A for keyboard or printer 1 x USB B for PC connection (compatible with USB 1.1 and later)
External devices (USB)	Standard PC keyboard (for data entry) Supported printers: Please contact local distributor for a list of approved PC printers.
Display	4,3" (480x278) TFT color display
Compatible software (optional)	Diagnostic Suite - Noah, OtoAccess® and XML compatible
Dimensions (LxWxH)	30x23x9cm, 12x9x4 inches
Weight	1.3 kg / 2.9 lb
Power supply	5 VDC-max 1.6 A UE24 type only
Batteries	4x1.5 V/1.2 V Alkaline/NiMH Type AA Note: When the instrument is battery operated the maximum stimuli output level is reduced 20 dB
Operation environment	Temperature: 15°-35°C Relative humidity: 30-90% non condensing Ambient pressure: 98-104 kPa
Transport and storage	Transport temperature: -20°-50°C Storage temperature: 0-50°C Relative humidity: 10-95% non condensing
Warm up time	Approx. 1 minute
Included Parts	DD45 Audiometric headset B71 Bone conductor APS3 Patient response switch Power cable Operation manual CD Multilingual CE Instructions for Use
Optional Parts	Amplivox Audiocups, noise reducing headset EARTone Audiometric insert phones Carrying case Diagnostic Suite software (including USB cable) OtoAccess® Database IP30 Insert phones DD45 Audiometric headset IP3100 (Pediatric) DD65 v2