
Technical Specifications

AD226

Diagnostic Audiometer



General Technical Specifications

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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: CIR 33	ISO 389-1 1998, ANSI S3.6-2010 PTB/DTU report 2009 ISO 389-2 1994, ANSI S3.6-2010 ISO 389-2 1994
Bone Conduction	B71: Placement: Mastoid	ISO 389-3 1994, ANSI S3.6-2010
Effective masking	ISO 389-4 1994, ANSI S3.6-2010	
Transducers	TDH39 DD45 B71 Bone E.A.R Tone 3A: CIR 33	Headband Static Force 4.5N \pm 0.5N Headband Static Force 4.5N \pm 0.5N Headband Static Force 5.4N \pm 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%, 5Hz (true sine wave frequency modulation).	
Outputs	Left, Right, Bone L+R, Insert Phones, Insert Masking	
Stimuli		
Tone	125-8000Hz.	
Warble Tone	5Hz 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 is 1, 2 or 5dB 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	125Hz to 8kHz. 125Hz, 250Hz, 500 Hz, 750Hz, 1500Hz or 8kHz may freely be deselected
Internal storage	500 patients
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" (480x272) TFT color display.
Compatible software (optional)	Diagnostic Suite - Noah, OtoAccess and XML compatible
Dimensions (LxWxH)	30x23x9cm, 12x9x4 inches.
Weight	1.3kg / 2.9lb
Power supply	5VDC-max 1.6A UE24 type only
Batteries	4x1.5V/1.2V Alkaline/NiMH Type AA, Note: When the instrument is battery operated the maximum stimuli output level is reduced 20dB
Operation environment	Temperature: 15-35°C Re. Humidity: 30-90% Non condensing Ambient pressure: 98-104 kPa
Transport and storage	Transport temperature: -20-50°C Storage temperature: 0-50°C Re. Humidity: 10-95% Non condensing
Warm up time	Approx. 1 minute

Included and Optional Parts

Included parts	DD45 Audiometric headset B71 Bone conductor APS3 Patient response button Power supply Carrying case Operation manual CD Multilingual instructions for use
Optional parts	Diagnostic Suite software OtoAccess database 21925 Amplivox audiocups, noise reducing headset EARTone3A Audiometric insert phones TDH39 Audiometric headset CIR33 Insert earphone set for masking or monitoring