

FONIX 8000 Test system

Fast, easy, comprehensive testing of directional hearing aids using a desktop sound chamber

Features:	One minute Simultaneous measurement of up to 5 polar plots (default)
	Individual frequency polar plots of gain or SPL vs angular position
	Display up to 5 polar plots at one time
	Computer capture of measurement data
	Polar plot resolutions of 30, 15, or 5 degrees. (15 degree default)
	Signals- Pure tone or composite (default/ANSI weighting)
	Test Signal can be continuous or on only during angular measurement. (continuous default)
	Difference Curves: 0 degrees response minus response at chosen angle
	MACRO type program mode for set up of automatic test sequences
	Quick change of test aids with clutch system
	Internal chamber LED lamp to aid visibility
	Lid lift spring assisted
	Lid Latch and clamp with one simple vertical operation.
	Computer control of polar functions
	Clip in testing surface provided for "normal" testing.
Notes:	Speaker is located 4 inches (100 mm) from the hearing instrument. Rotated with a digitally controlled drive motor. Zero azimuth positioning done visually by operator before start of test. Rotational drive coupling with clutch. Rotational holding fixtures mechanically plug into rotator system and can be slipped out for adjustment and service.
	Separate provisions made for ITE and BTE hearing instruments. BTE uses ear level adapter and HA2 coupler. ITE uses HA-1 coupler. Coupler and hearing instrument held in position by use of magnetic clamps. Minimal hardware used to reduce the disruption of directional response patterns.
	BTE test rotator post uses magnets on top and side for holding U shaped BTE clamp and HA-2 coupler, respectively. BTE clamp uses side mounted set screws for solid aid positioning with scratch protection by paper gasket. Significant degree of adjustment possible with magnetic clamping system.
	ITE tests made with aid mounted with traditional FUN TAK material to HA-1 coupler. Coupler secured to rotator arm by use of side mounted magnetic clamps. Significant adjustment available with magnetic clamp system.
	Rotational BTE test in X/Y plane
	Rotational ITE test in X/Z plane (HA-1 coupler positioned with aid face plate/microphones horizontal.)
Compatibility:	The 8000 is built on the code base of the FONIX 7000 analyzer.
	All tests performed with the 7000 are available on the 8000.
	ANSI S3.22-1987
	ANSI S3.22-1996
	ANSI S3.22-2003
	IEC 60118-7-1994
	IEC 60118-7-2004
	JIS 2000
	Also ANSI S3.42-1992- composite signal test
	New Battery simulator with auto sensing of battery size. Zinc-air default chemistry. Silver also available. Simulator is programmed from keyboard or external computer.
One cable connects sound chamber and main electronics module. Chamber Internal connectors include measurement microphone, battery simulator connector (2.5 mm), Power indicator LED and aid programmer connector (6 pin mini DIN).	