



GSI TYMPSTAR PRO™

MIDDLE-EAR ANALYZER



FEATURE	BENEFIT	EXAMPLE
Comprehensive Diagnostic Middle-Ear Analyzer	Clinical standard for evaluating the acoustic-mechanical properties of the middle-ear, assess the neural integrity of reflex pathways, and verify function of the Eustachian Tube.	Audiologists may implement a variety of diagnostic evaluations based on patient symptoms and physician recommendations.
Stand Alone or PC Enabled	Use independently or with a computer for the advantages of electronic data management as well as the flexibility of stand-alone operation without the worry of computer related downtime.	In the event that the computer system or network is unavailable, the middle-ear evaluation can continue with no loss in revenue.
Stores Up to 100 Tests on the Instrument	The last 100 test sessions are automatically saved to the unit.	In cases where connectivity to a PC or network is down, data may be transferred after the connection is restored without having to print and scan or retest patient.
Touch Screen Monitor	Integrated color touch screen monitor makes each test application easy to operate and view results.	The audiologist can easily change between test ears or parameters with a single touch to the monitor leaving more time to interface with the patient.
Zoom Function	The easy to use “zoom” makes fine tuning of tympanogram peaks and reflex thresholds a simple operation.	When the audiologist wishes to make an adjustment to the automatically marked data, the “zoom” feature allows changes to be made rapidly. The audiologist can easily mark or change the results in the “zoom” page.
Auto Start 226, 678, 1000 Hz	For both screening and diagnostic modes, the Auto Start feature saves time and improves efficiency.	The audiologist is able to insert the probe and as soon as the seal is obtained, the sweep begins without any need to press additional buttons on the instrument or probe.
Tympanogram Test Type	Jerger classifications are included as well as the option for customized classifications.	With a simple touch to the screen, the audiologist may classify the tympanogram based on the referral source. The otolaryngologist may prefer the integrated Jerger classification while the pediatrician may prefer a more descriptive classification like “shallow.”
Comments with Wireless Keyboard	Quick interpretation and patient information may be added using the wireless keyboard.	By adding by adding patient information and comments to the system with the wireless keyboard, the report may be printed with a connected printer or from GSI Suite.

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Threshold Seek with Reflex Growth	Using the “Threshold Seek” function, all reflex intensities are displayed and the reflex is automatically marked.	The Audiologist may observe the compliance of the reflex threshold and interpret the response based on a graphic of the reflex growth.
Control of Testing via Probe Box	Simple button selection on the probe box starts or stops a test and allows ear selection.	The ergonomic buttons on the probe box provides more opportunity to interface with the difficult to test patients.
EMR/EHR Compatibility	Provides multiple e-record solutions for every type of facility.	Reports may be automatically stored in compatible format to attach to EMR or a true HL7 interface with Audbase, Greenway or AllMeds EMR.
Multiplex Pulsed-Tone Stimulation for Ipsilateral Reflex Threshold Testing	Provide artifact-free acoustic reflex testing and eliminate the “null” points that cancel out the reflex.	Audiologist has complete confidence in reflex threshold testing. The thresholds are accurate the first time every time.
ESRT - Electrical Stapedial Reflex Threshold	Validate the integrity of the electrode placement for Cochlear Implant patients.	The audiologist can send an electrical stimulus through the cochlear implant to determine presence or absence of reflex thresholds.
Programmable User Tests	Pre-define protocols to save time and create consistency in testing methodology.	Audiologists have the ability to set the deflection criterion for reflex threshold testing, pump speed, sweep direction, stimulus starting intensity and more.
Multiple Probe Tone Frequencies Standard (226,678,1000 Hz)	Test diverse patient populations with differing middle ear pathologies.	1000 Hz allows the audiologist to accurately conduct tympanometry testing on infants up to 6 months of age. 678 Hz helps confirm the diagnosis of ossicular discontinuity, otosclerosis and other ossicular chain disorders.
Multiple Admittance Display (Y/B/G)	All components of tympanometry are recorded and stored simultaneously for each tracing to improve diagnostic specificity for results that are questionable.	Audiologist can determine if an abnormal tympanogram is the result of tympanic membrane defect or ossicular chain disorder.
Manual Pump Control	Ensure eardrum stability and reliable reflex measurements. Provide fast and accurate assessment of hard to test patients. Provide fast and accurate definition of peak location in the presence of serous otitis media.	The audiologist can offset the peak pressure for reflex threshold measurements for patients with sharply peaked tympanograms and achieve faster pump speed for crying children.
Eustachian Tube Function	Evaluate status of the Eustachian Tube with a perforated TM or an intact TM.	The audiologist can confirm patency of the Eustachian Tube regardless of the status of the tympanic membrane.