

# Transitioning from your old AEP System?

vivosonic 

# integrity™

V500

Auditory Diagnostic System

## Makes It Even Easier Now!



UNIQUE, WIRELESS,  
NOISE-REDUCTION  
TECHNOLOGY



AWAKE /  
NON-SEDATED  
ABR



CLINICAL  
TOOLS &  
SUPPORT



FLEXIBLE  
CONFIGURATION

The clinical benefits of Integrity's advanced 2-channel technology **plus** the familiar software features you are used to!

## NEW!

With advanced noise-reduction technology and wireless convenience, Integrity™ V500 provides **reliable ABR assessments**, typically in one visit, without the need for sedation.

- ✓ Outstanding noise reduction
- ✓ Fewer sedations and less risk
- ✓ Test anywhere, even NICU/OR
- ✓ Allows for quiet activity (e.g. nursing, strolling, playing)
- ✓ Better testing experience with easy-to-use interface
- ✓ A & B buffers with SOAP Kalman algorithm to simplify repeatability
- ✓ Easy to get good impedance set up
- ✓ Fully portable / Battery operated

- ▶ Frequency Specific "VF Chirp"
- ▶ Addition/subtraction of waveforms
- ▶ Waveform Sorting for print setup based on frequency and intensity
- ▶ Correlation and Residual Noise between two averaged traces
- ▶ Identical print and test screen views, saved in database
- ▶ Adjustable Default Aspect Ratio for ease of visualization and comparison
- ▶ Waveform Spacing and Page Break line for easy print setup and recall
- ▶ Waveform Response Classification labels
- ▶ Show/Hide waveforms
- ▶ Cortical Mid-Latency Response with CV-Amp\*
- ▶ 6 and 8 kHz ABR testing using ER2 Earphone Inserts\*\*

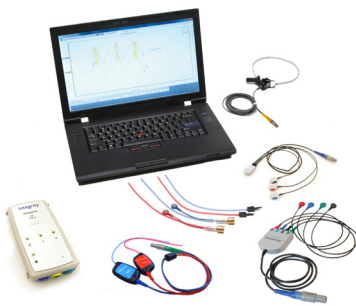
\* CV-Amp is a version of the VivoAmp for Cortical AEP testing and is sold separately.

\*\* ER2 Earphones are sold separately.

[www.vivosonic.com](http://www.vivosonic.com)

## UNIQUE ADVANTAGES OF INTEGRITY™ V500

- Based on patented Amplitrode® technology, the **VivoAmp™** provides the latest advances in amplification and prefiltering, which reduce negative contributions from EOG, ECG, EEG and RF in order to provide maximum noise reduction.
- SOAP™** Adaptive Processing, a patented noise-reducing algorithm, based on Kalman Weighted Averaging, cleans electrophysiological signals and ensures exceptional response detection.
- Unique, **VivoLink™ wireless** recording technology provides freedom of movement and enables caregivers to comfort, hold and stroll with infants during testing.
- Time-saving, simultaneous display of two statistically independent waveforms and built-in statistical tools help to quickly evaluate **waveform repeatability** and residual noise.



## INTEGRITY™ V500

Advanced Technology...Better Outcomes

Scan code to view our video:  
**Introduction to Vivosonic Integrity™ ABR**  
or contact us for a live demonstration.



## IMPROVED CLINICAL EFFICIENCY

REDUCES THE  
NEED FOR  
SEDATION BY  
66-92% <sup>1,2</sup>

REDUCES  
HEALTHCARE  
COSTS BY UP TO  
\$5,000 USD PER  
PATIENT <sup>3,4</sup>

AVERAGE  
TIME FOR ABR  
ASSESSMENT  
REDUCED TO  
1 HR. 20 MIN.  
INSTEAD  
OF 3 HR. <sup>5</sup>

- Hall JW III, Sauter T (2010). Clinical Experience with New Technology For Recording Un-Sedated ABRs.
- Sebzda JM (2010). Pediatric ABR testing without sedation? Is it possible?
- Cone B, Norrix LW. University of Arizona. "Measuring the Advantage of Kalman-Weighted Averaging for Auditory Brainstem Response Hearing Evaluation in Infants". American Journal of Audiology, May 22, 2015. doi:10.1044/2015\_AJA-14-0021, 2015.
- Cone B, Dean J, Norrix L, Velenovsky D (2013). Innovations in the Electrophysiologic Assessment of Infant Hearing: Cost Model.
- Walker B (2012). Clinical Significance of Advanced ABR Technology for Newborn Hearing Screening Programs.

D-11481-US Ver 2