

# SPREAD SPECTRUM FOR ABR & ASSR

LATEST INNOVATIONS FOR AUDITORY EVOKED POTENTIAL RECORDINGS



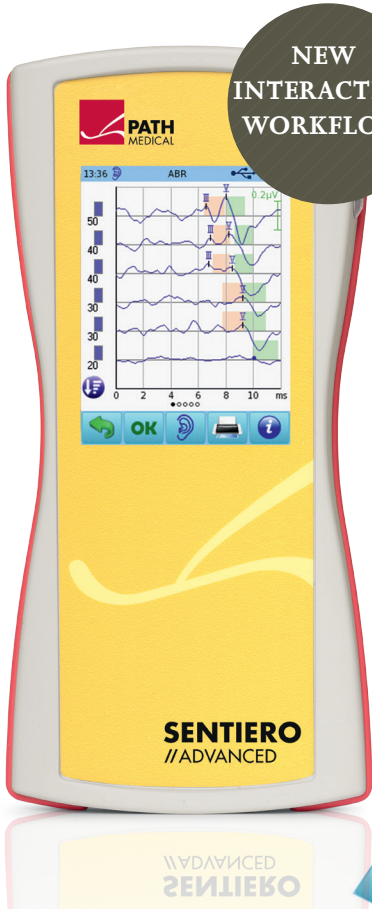
**PATH**  
MEDICAL



# PORTABLE DIAGNOSTICS

## SENTIERO - THE WORKHORSE FROM GERMANY

NEW  
INTERACTIVE  
WORKFLOW

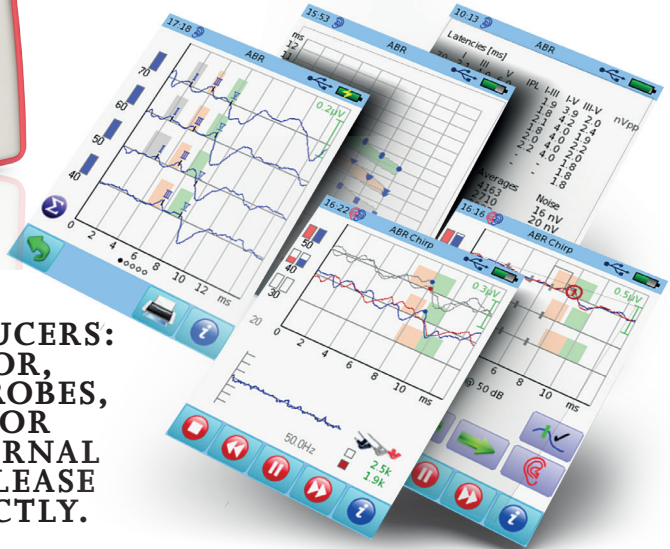


### SENTIERO CAN BE OPERATED BY ITS TOUCH COLOUR DISPLAY

and runs on batteries, therefore mains grid quality is not an issue. Shielded electrode cables keep electrical interference to a minimum. In combination with the unique spread-spectrum technology, this allows the unit to work very efficiently in Neonatal Intensive Care Units (NICU) or other high interference environments. A built-in spectrum analyzer can help identify difficult electrical environments. Varying patient states are dealt with using fast weighted averaging.

### ADDITIONAL FEATURES:

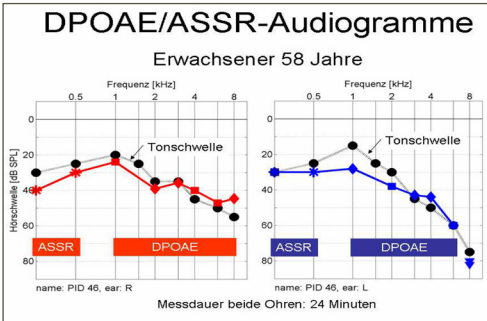
- Binaural testing - both ears at once!
- Spread spectrum technology
- Up to 8 traces, interactive settings
- Click, tone burst, multiple chirps, ASSR
- Live display on big screen - remotely controlled hybrid mode via PC connection



**AVAILABLE TRANSDUCERS:  
BONE CONDUCTOR,  
INSERT PHONES, PROBES,  
HEADPHONES. FOR  
FREEFIELD OR EXTERNAL  
TRIGGER (E-ABR) PLEASE  
CONTACT US DIRECTLY.**

# HANDHELD ASSR - NEWS!

## MULTIRATE AND MULTIFREQUENCY - INVENTED BY PATH



### FULLY AUTOMATED AUDIOGRAMS:

The DP Threshold and the ASSR Threshold modules are both available on SENTIERO. By combining these, a fully automated audiogram can easily be recorded binaurally within 20 min. This matches the pure tone audiogram as displayed in the original result (see picture above). SENTIERO can be even quicker - read the summary of the IERASG presentation online:



### MULTIFREQUENCY AND MULTIRATE ASSR STIMULI - ADVANTAGES:

It is well known that multiple stimulus frequencies can be applied at the same time binaurally with ASSR. However, the user normally has to choose the setup for sleeping/awake patients or babies/adults. SENTIERO is the first to introduce varying modulation rate from 37 to 163 Hz. Optimized to your individual setup, the EEG is analyzed and spread spectrum technology is applied to receive the optimal recording conditions and results.



Stimulus levels range up to 100 dB HL, up to 4 simultaneous test frequencies per ear (binaural testing) - adjustable maximum averaging time, artefact threshold, and significance level - all this and much more can be configured and stored in your device!

In combination with MIRA PC software, patient and test data can be transferred, archived, exported, printed, and a user management can be set up. Reports can be printed even without MIRA with the free of charge "Print to PDF" feature. Download the full technical specifications from our homepage:





ABR AND ASSR MODULES ARE AVAILABLE AS STANDARD OR UPGRADE ON THIS PLATFORM:



Light into  
the ear canal!  
Better probe  
fit with VIP!

**Made in Germany**



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