

STATEMENT OF NEED

Hearing Assessment Equipment

GENERAL: The Audio clinics has a need for five (5) complete auditory brainstem response (ABR) units due to increased repairs on older units that are currently in use at these locations: New Port Richey Outpatient Clinic, 9912 Little Road, New Port Richey, Florida 34654, Lakeland CBOC 4237 South Pipkin Road, Lakeland FL 33811, James A. Haley Veterans Hospital Audiology Main Hospital 13000 Bruce B. Downs Blvd, Tampa, FL 33612, C&P Audio clinic 14020 N. 46th Street Tampa, FL 33613 and Brooksville Audiology clinic 14540 Cortez Blvd, Brooksville 34613. Tests performed by this equipment are done daily and due to equipment failure, there have been delays in patient care. Obsolete existing units to be replaced are: 59001/59002 EOL 2015 49737 EOL 2014, 76944 2015 EOL 2015, 59002 EOL 2015.

BACKGROUND: The ABR units are used by the Audiologist to assess both cochlear and retro-cochlear functions with these additional AEP testing capabilities: Electrocochleography, Auditory Brainstem Responses, Auditory Middle Latency Responses, Long Latency or Cortical Responses, and Electrical Auditory Brainstem Responses.

SPECIFIC NEED/ SALIENT CHARACTERISTIC'S FOR BRAND (GSI Audera Grason Stadler) OR EQUAL:

- Separate output jacks for Left/Right Bone transducers,
- Built in impedance with readout,
- Operates with Windows; resolution of 1024x768 or higher,
- Need to include Full configuration AEP/CAEP/ASSR/DPOAE, Laptop computer kit, with USB accessibility for peripheral accessories,
- Transducers: Bone Vibrator, TDH Headphones, Insert earphones and loudspeaker accessibility on main isolation transformer/power supply
- Need to measure recording in a series of six to seven vertex positive waves of which I through V can be evaluated
- Test Types: AEP, ECochG, Cortical AEP, AMLR, EABR
- Protocols: Default and customer specified
- Marker Sets: Default and customer specified
- Reports: Color, Black/White or PDF

Stimulus Specifications:

- Stimulus Types: Click, tone burst, tone pip
- CE-Chirp® and CE-Chirp Octave Bands
- Stimulus Polarity: Condensation, Rarefaction and Alternating
- Masking Types: Absolute or stimulus relative
- Intensity: 0 to 130 dB SPL
- Repetition rates: 0.2 – 100 depending on modality
- High Pass Filtering: RC or Digital Butterworth
- Low Pass Filtering: Butterworth or Digital linear phase

Amplifier:

- Dimensions: 3.93" (W) x 7.48" (D) x 1.57"(H)
- Weight: .94lb
- Interface to Main Unit: Proprietary high-speed, serial digital
- Number of Channels: 2 Isolated (type BF) for patient safety
- Electrode inputs: Differential
- Electrode connectors: 5 DIN 42802 safety connectors
- Input Impedance: >1000 MW
- Frequency Response: 0.2-10,000 Hz

Main Unit

- Computer Interface: USB - Type I
- Trigger Controls Input/Output: Standard TTL logic level
- Mains Power Supply: 115V, 110V, or 230V; 50-60 Hz

FOB DESTINATION DELIVERY: All items to be delivered within 30 days of order placement to James A. Haley Veterans Hospital, 13000 Bruce B. Downs Blvd, Tampa, FL 33612.

WARRANTY OF EQUIPMENT: Contractor must provide manufacturer(s) warranty on equipment.