TREMETRICS®

RA800



Interactive Touch Audiometer

- Full-color, touch-entry display
- Automatic subject instructions in multiple languages
- Separate left/right revised baselines
- ID Wizard™ for compliance documentation
- Extra-wide format, high speed printer
- Dual calibration for two headsets
- Automatic system verification
- PC Interface to most software
- OSHA recordable report
- OSHA reports without computers
- External storage back up
- 2,500 audiogram storage
- STS & OSHA reports

Easy-Touch Audiometer

The RA800 is Tremetrics' new interactive touch-screen interface that makes your testing faster and more convenient than ever before. Touch-entry is easy and natural.

The users simply touch their finger to the screen to select the desired operation or function display. The touch-screen capability offers the ability to customize the program and the subject questions and answers right on the screen. Once data has been entered, the data is stored on a drop down menu on the screen and can be activated with a touch. Touch to select an answer, touch to start a test, touch to print out an archival-quality audiogram. It really is that easy!

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TREMETRICS®

RA800

Technical Specifications

Accurate results every time

The goal of any good hearing conservation program is the timely identification of those employees who may be experiencing a hearing loss due to work-related noise exposure. The RA800 provides one of the key elements for building a highly successful program.

The versatile RA800 tests from -10 to 100 dB and from 250 Hz through 8000 Hz. The accuracy and repeatability of the testing methodology is based on experience gained from providing thousands of audiometers for industry and government testing programs. The audiometer uses the accepted modified Hughson-Westlake test paradigm, with a fully automated test routine or the choice to test manually or semiautomatically for just one selected ear/frequency or several.

The RA800 incorporates sophisticated retest and validation checking to ensure that proper hearing threshold levels are determined and includes built-in safeguards to alert the operator if individuals are attempting to manipulate test results.

Extra Features

- Electronic ID ensures correct calibrated headset
- Daily Biological Log
- Automatic match of OSCAR™ baseline
- Languages: English, Spanish, Italian, French, German, Cambodian and Vietnamese
- Comprehensive test display
- 2,500 audiogram storage
- Adaptive response mode
- Automatic retest criteria
- Demographic data entry while test is being conducted
- OSHA and military (MEPS) categorization
- High speed PC interface
- Calibration reminder
- Multi-level password security
- Optional second headset or insert earphones calibration
- Insert earphones available
- Graphical test representation
- Extensive hearing conservation reports
- Print reports via USB connection

ONE YEAR LIMITED WARRANTY: This warranty is extended to the original purchaser of the instrument, by Tremetrics, through the distributor or manufacturer from whom it was purchased. The warranty covers defects in material and workmanship for a period of one year from date of delivery of the instrument to the original purchaser. Accessories which are purchased from Tremetrics at the same time as the instrument are warranted for one year from the date of purchase. For additional information, contact your local distributor orTremetrics directly.

U.S. Patents #5, 811, 681; #6, 416, 482; B1#6, 644,120, B1#6, 468,224; #7, 210, 353

Specifications:

- Equals or exceeds ANSI S3.6-1969-2010
- Test frequencies: 250, 500, 750, 1000, 1500, 2000, 3000, 4000, 6000, 8000 Hz
- Frequency accuracy: Better than 1%
- Distortion: Total harmonic distortion below 40 dB (1%)
- HL attenuation: -10 to 100 dB in 5 dB steps
- HL accuracy: ±1 dB
- Rise/Fall time: Meets ANSI specifications
- Calibration accuracy: 0.1dB
- Calibration: Non-volatile EEPROM, calibration date printed on each audiogram, with 45 day reminder prior to renewal
- Provision for calibration of two headsets or headset/inserts
- Multimedia subject instruction languages: English, Spanish, Italian, French, German, Cambodian and Vietnamese
- Compliance documentation: Calibration, Daily Biological test, earphone, OSCAR and handswitch identification
- Integrated talk back
- Monitor headset and microphone provision
- Color coded patch cables provided
- Brownout protection
- Headset: Telephonics TDH-39, 10 ohm earphones in
- Model MX41 cushions - includes ID Wizard™ automatic identification for compliance reporting
- Handswitch: Long life, exceeding 1,000,000 closures includes ID Wizard automatic identification for configuration verification
- Insert earphones: EAR-Tone 5A™
- Display: 10.0" active matrix LCD color display with easytouch user input
- Physical: 10.6" W x 10" D x 5" H; weight 5 lbs.
- Power: Auto-selectable 90 to 240 VAC with transient suppression for power line spikes
- Printer: High speed, extra-wide format graphics printer, 15 seconds with full compliance documentation
- Data output: USB
- Support for USB external printer
- Dual USB connection for external keyboard and mouse
- USB backup thumb drive provided
- USB printer and computer connection
- Rear panel jacks: three separate, standard 1/4" stereo jacks for left earphone, right earphone, and handswitch
- Internal audiogram storage/backup: 2,500
- Clock: Real-time, battery backed, time of day printout
- Advanced space-saving headset
- Dust Cover

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