

# TREMETRICS®

## RA650



### PC Based Audiometer

- Allows the operator to test up to eight people simultaneously
- Fully compatible with HT Pro™ Software Suite
- Audiometer modules can be purchased one at a time or all at once, allowing you to buy modules as needed
- Extremely reliable unit, leaving you the ability to test with no worries about being down for repairs

## Unparalleled reliability and accuracy at a very competitive price

With the ability to test as many as 32 people in an hour with an eight station system, the RA650 will save you both time and money. The RA650 also maintains a small footprint, using a control module housed with the audiometer modules to link all the stations together. Tests can be started, stopped and paused without interrupting other tests.

When used in conjunction with the HT Pro Software Package, the RA650 becomes the total package for hearing conservation. With the addition of the RA650 and HT Pro, you are in a position to excel in your mobile testing environment. All three devices can create features that include a live feed of tests as they are occurring, nearly unlimited filtering and reporting capability, separate databases for separate companies, and the ability to network your computers to keep your data safe.



# RA650

## Technical Specifications

### Proven reliability and support

The RA650 series has a proven track record in both the military and civilian group testing market. Systems are backed by a nationwide dealer network and factory support group. Both are committed to quality customer service and fast response.

### System Features

- Windows-based program software requires minimal operator training
- PC monitors progress of test and automatically instructs subject as required
- Flexible group testing – audiometer modules can be added as needed
- Full automatic, semi-automatic or manual operation
- Independent error checking with automatic test restart
- Selectable retest criteria: automatic retest if HTLs vary 15 dB or more from baseline
- Intercom – talk-over communication with any or all test subjects
- Distinctive graphic symbols and color coding for quick and accurate set up
- Automatic pre-test instructions
- Power supply indicator

### Printer Requirements

Windows compatible, laser or inkjet recommended

### Computer Requirements

The RA650 must be used with a PC Data Management System. The PC and database management software are not included in the price of the RA650.

Tremetrics can provide pricing for the FOSHM PC Data Management System upon request. PC running Windows™ 98, ME, XP, NT or 2000 with a minimum of 40 MB available space on the hard disk for program and storage, minimum 256 MB of RAM, CD-ROM drive (CD-RW is recommended for data back-up), and 600 x 800 minimum color monitor.

Multimedia requirements: sound card, microphone, speaker(s) and 1/8" stereo cable (male connector on each end). Input/Output: one serial port (RA232C) and one parallel port for printer.

### Specification

- RA650 chassis, power supply/controller audio channels: Accepts up to a maximum of four (4) RA650 audiometer channels
- Two RA650 chassis can be used to test up to eight subjects; Control Channel: One control model per chassis
- Power: Auto-selectable 90-240 VAC  $\pm$  10%, 50-60 Hz
- Dimensions: 6.5" W x 12.5" D x 9" H
- Weight: 6.5 lbs. (1-station without earphones or handswitch); Communications: RS232C at 19200 Baud
- Software interface: Manages up to eight (8) audiometer modules

### Audiometer Module

- Equals or exceeds ANSI S3.6-1969-2010
- Test frequencies: 500, 1000, 2000, 3000, 4000, 6000, 8000 Hz (8000 Hz selectable)
- Frequency accuracy: Better than 1%, crystal controlled
- Distortion: Total harmonic distortion below -40 dB (1%)
- HL attenuator: -10 to 100 dB in 5 dB steps
- HL accuracy:  $\pm$ 1 dB Calibration: EEPROM calibration, frequency requires no adjustment; calibration date entered at time of calibration
- Rise/Fall time: Meets ANSI specifications
- Earphones: Telephonics TDH-39, 10 ohm earphones in Model 41 cushions
- Dimensions: 1" W x 11.25" D x 6.25" H
- Weight: 0.5 lb
- Power: Supplied by mainframe
- Options Foshm
- Windows based hearing conservation data management software
- Audiocups – Noise attenuating enclosures
- OSCAR 6™ – Electro-acoustic ear
- RA650 Group Audiometric Testing System
- Microphone provides talk-over communication with any or all test subjects