

CCF-200

Computer Controlled Fit Test System



Breakthrough Method

The CCF-200 Fit Test automatically measures the sound attenuation that an individual subject receives while wearing earplugs. The system reports a Personal Attenuation Rating (PAR) in decibels, representing the amount of protection. The CCF-200 integrates the fit testing into the hearing testing process: after a few simple instructions at the conclusion of the audiogram, you can add fit testing to the annual regimen.

Like the industry-leading CCA-200mini Audiometer, the CCF-200 can test multiple subjects simultaneously from a single computer.

Fit testing is a breakthrough method to verify the amount of noise protection that each worker is receiving, and regular screening reinforces the safety culture of the workplace. Issues of poor fitting technique, incorrect insertion, or improper choice of earplug will result in an unacceptable PAR, indicating the need for follow-up. Testing your population ensures that you are delivering the right amount of noise protection for the work environment.

A specially designed headset provides comfort during the test, and does not contact the ear or earplug, in order to ensure a valid PAR. Fit Testing is an NHCA/OSHA Alliance best practice:

- Involves workers in their own protection
- Quantifies the protection of a given earplug
- Usable with most manufacturers' plugs
- Verifies the effectiveness of PPE training
- Stable, repeatable REAT algorithm
- Integrates with CCA-200mini or CCA-100mini audiometer and BAS-200slm Simulator/Sound Level Meter
- Programmable testing sequences and frequency bands

- ✓ Real-time PAR results during test
- ✓ Graphical display of occluded and unoccluded measurements
- ✓ Automatic retests
- ✓ Fully programmable test sequence, start and end levels
- ✓ Produces full-page reports with data and analysis on standard paper rather than strip prints
- ✓ Stores unlimited number of subjects and tests
- ✓ Keep Busy mode – minimizes test disruptions



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Fit Testing Operation

The CCF-200 Fit Tester provides the ultimate in easy testing – push “Start” and the CCF-200 takes control. The CCF-200 detects a wide variety of subject errors for test validity. Easy-to-use Windows® software gives you total control of up to sixteen Fit Testers from a single PC.

- Enhanced test features for 20% faster testing.
- Easy integration with CCA-200mini software and hardware.
- Mounts with the CCA-200mini in custom bracket that accommodates both the audiometer and CCF-200 Fit Tester.
- Uses “Gold Standard” ANSI standard REAT algorithm.

Integrated Audiometer Operation

- Delivers automatic instructions for subject errors in 21 languages through headset.
- On-screen fit test graphs update in real time and display both un-occluded and occluded.
- Automatic Retests enhance quality and reduce problem fit testing responses.
- Mark For Retest reduces manual testing.
- Programmable test sequences, start and end levels.
- Full manual control.
- Real time integration with sound level meter monitoring.

NHCA/OSHA/NIOSH Alliance Best Practices

Helps meet NHCA/OSHA/NIOSH Alliance Best Practices for assuring proper hearing protection for individual subjects for their work environment.

Subject Data Collection

The CCF-200 Fit Tester has smart features to make data entry as easy as using a word processor.

- No limit to number of stored subjects and fit tests.
- Works in real time with stored database information to perform analysis and make appropriate testing decisions.
- Extensive user-defined data fields and generous comment fields for each record.
- Multi-tasking allows testing, data entry, and printing all at once.
- Full-size keyboard eliminates frustration of membrane or non-standard keypads.
- Exposure entry by location with noise level and time.

System Requirements:

Integrates with CCA-200mini or CCA-100mini audiometer. Refer to appropriate system requirements for chosen product. Windows® 10, 8.1, or 7 SP1 (32- or 64-bit), 1.4 GHz or higher processor, 1 GB RAM minimum (2 GB for 64-bit, 4GB recommended), 8 GB free HDD. PC must meet IEC 60950. Talk-over and voice instructions: SoundBlaster 16 or 100% compatible full-duplex sound card and microphone. One free USB port. Plus Package: additional USB Port.

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Reports

The CCF-200 quickly produces full-page reports that are easier to read, handle and store than strip prints.

- Most Recent Exposure shows location and time.
- Analysis shows left and right PAR, overall PAR and protection rating, as well as protected and unprotected OSHA and NIOSH Time weighted averages (TWA), and protected and unprotected percent daily dose.
- Graphs show left and right fit test with unoccluded and occluded in color.
- Subject Fit Test
- Subject Fit Test Summary

Additional Reports (samples available)

- Subject Fit Test Builder
- Company Fit Testing Schedul List
- Company Fit Testing Exception List
- Company Fit Testing Protection List
- All Company List – Fit Testing

“Plus” Datanase Management

Choose the Plus Package for additional reporting power and support for unlimited companies. Effectively manage multiple programs using the Plus Package.

- Network database access (connects to Microsoft SQL Server 2008 R2 and 2012)
- Unlimited number of companies
- Expanded report query ability and Query Wizard
- Daily calibration database with reports
- Customizable subject ID length and characters
- Programmable import/export routines
- Powerful Extract/Merge tools synchronize data between locations
- “Merge Company” feature addresses issues that arise when multiple companies or testing sites are merged into one
- May use SQL Server™ and Windows® authentication to help fulfill HIPAA security

