3M™ E-A-Rfit™ Validation System

Fit Testing
for Hearing Protectors

Ear canal shapes are different.

Fitting methods are different.

That means protection levels are different.

So who's getting what protection? Is it enough?

To help you understand the individual protection needs of each wearer, use the NEW 3M™ E-A-Rfit™ Validation System.

Leading the Advancement of Hearing Conservation™

3M

Innovative F-mire™ Process Is Quick, Simple and Accurate

Unlike less reliable tone response tests, E-A-RFit™ is an F-MIRE (field-microphone-in-real-ear) test system. Key features to this innovative system are:

- **Exclusive Probed Hearing Protectors**
  Most 3M hearing protectors can be tested with this system.
- **Dual Element Microphone**
  Measures sound inside and outside the ear.

- **Advanced Algorithm**
  Utilises transfer function measurement approach to acquire reliable data in less than eight seconds.
- **Proprietary and Patented Application Software**
  Provides enhanced metrics for guidance in the application of the measured insertion loss values.

Real Fit = Real Results

The E-A-RFit subject fits their own protector, the technician connects the microphone to the hearing protector, leaving the other microphone exposed so that noise levels are measured inside and outside the ear.

Personal Attenuation Rating (PAR) For Each Worker In Minutes

It only takes 8 seconds to obtain data at seven standard (125Hz to 8000Hz) frequencies. You'll know exactly what level of protection each worker receives from each tested protector. No guesswork.

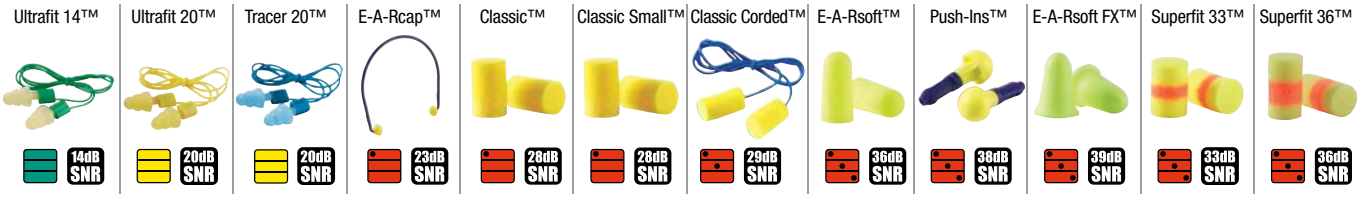
Data Is Documented For Future Reference

Each worker's PAR results will be automatically documented and stored by the technician. This information is valuable for comparison during subsequent tests. A copy of the results will also be provided to your company's Health and Safety Manager.

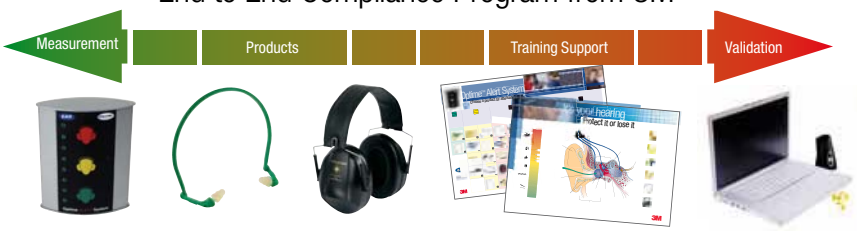
Test Compatible With A Variety Of Hearing Protectors

Protection levels can be validated with many different hearing protectors. This selection includes specially-probed versions of our most popular hearing products.

E-A-Rfit™ Compatible Earplugs



End to End Compliance Program from 3M



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