3M™ E-A-Rfit™ Validation System

It Takes Less Than 10 Seconds Per Ear and 3 Simple Steps to Combat NIHL

ADVANTAGE:
Reflects an individual's fitting methods and indicates if additional training is necessary.

ADVANTAGE:
Objectively tests 7 frequencies (125 Hz - 8 kHz) in under 10 seconds per ear, so you don't rely on subjective test responses.

ADVANTAGE:
PARs can assist in determining if the level of hearing protection your workers are getting is appropriate to their work environment.

Stop guessing what hearing protection levels your workers are getting from their earplugs.

DOCUMENTED RESULTS.
Easy-to-understand test results are documented for each test subject, both in print and electronic formats, for future reference.

Get an objective, personalised attenuation rating (PAR) for each worker. Once a subject is fitted, it takes less than 10 seconds per ear to test 7 standard frequencies. Just self-fit earplugs, connect to the microphone and run the test.
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- Workers fit earplugs themselves.
- Unique dual-element microphone measures the noise reduction of each earplug as worn by the worker across the wide range of industrial noise frequencies.
- Patented system and proprietary algorithms quickly analyse real-ear data to provide a Personal Attenuation Rating (PAR) and fit variability.

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Technology That Takes Hearing Conservation to the Next Level

Environmental controls, hearing protectors, and on-the-job training are the first steps to protecting your workers against noise-induced hearing loss (NIHL). Take the next step with the 3M™ E-A-Rfit™ Validation System, an objective, quantitative hearing protector fit-test system.

Fit Test Your Hearing Protectors.

Like respiratory fit testing, which indicates that maximum protection can only be obtained if the ideal fit is achieved, the E-A-Rfit system assists in achieving optimal fit through hearing protector selection and employee training. In less than 10 seconds per ear, the system generates a personal attenuation rating (PAR) that indicates a worker’s protection levels for a given fitting and hearing protector. Compare ratings across hearing protectors and fittings to determine the best fit.

Get Objective, Personalised Results.

Researchers at E-A-RCal Laboratory developed proprietary algorithms to analyse sound pressure inside ear canals. This in-the-ear testing procedure differs from many other systems on the market by providing quantitative data that does not rely on subject response. Fit, train, and motivate every worker using their Personal Attenuation Rating (PAR).
Look How Well It Fits Into Your Hearing Conservation Programme

Integrates hearing protection fit testing into your hearing conservation programme and benefits everyone from new employees to high-risk workers.

Audit
- Establishes baseline values for new workers
- Helps identify workers receiving inadequate protection that leaves them at risk of threshold shifts
- Validates high protection levels required by workers in high noise areas

Fit, Train and Motivate
- Provides a tool for training proper insertion techniques and to assess proficiencies (as per requirements AS/NZS 1269.3)
- Motivates employees by helping them realise the control they have to protect their hearing

Assess & Manage
- Improves long term performance of your hearing conservation programme
- Indicates employees needing further fit training or alternative hearing protectors
- Input your noise exposure data and the E-A-Rfit software can help you identify the most appropriate hearing protector(s) and help minimise over/under protection

Put The E-A-Rfit System To Work.
The E-A-Rfit Validation System includes FREE online training and user support.

For more information and to see a video please contact your 3M sales representative or visit www.E-A-Rfit.com

Level of protection at seven standard frequencies.
Leading the Advancement of Hearing Conservation™

Protection levels can be validated while wearing a variety of 3M™ E-A-R™ hearing protectors including specially-probed versions of 3M E-A-R foam and premoulded earplugs.

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<th>PRODUCT CODE</th>
<th>PRODUCT</th>
<th>CASE QUANTITY</th>
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<tr>
<td>393-1000</td>
<td>3M™ E-A-Rfit™ Validation System</td>
<td>(1) KIT</td>
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<tr>
<td></td>
<td>(1) Speaker &amp; Stand, Dual-Element Microphones, (1) USB Cable, (1) Power Cable, (1) Roll Model, Trial Quantity of Probed Test Plugs, &amp; Software (Available via Online Download)</td>
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