


VeriPRO: Hearing protection  
fit testing has never been easier



by Honeywell





Safety professionals have a universal challenge in protecting the hearing of their noise-exposed employees: how much protection do their employees actually achieve with their earplugs?

For decades, studies in the workplace have shown that hearing protectors can be easily misused. For some users, real-world attenuation is quite often less than the published attenuation. But for other users, the fit of the hearing protector is adequate for good protection.

But who is who?

Determining which workers have poor fit, before it turns into a noise-induced hearing loss, is critical to the success of a Hearing Conservation Program.

## A personal approach to Hearing Conservation.

VeriPRO® makes it easy to get an accurate, real-world picture of your employees' hearing protection. Find out whether your employees are receiving optimal protection, require additional training on how to fit their earplugs, or need to try a different model.

- > Measures the Personal Attenuation Rating (PAR) for each employee
- > Captures real-world attenuation by using unmodified earplugs
- > Works with any earplug, corded or uncorded, from any manufacturer
- > Fulfills regulatory requirements to ensure proper initial fitting of hearing protection
- > Creates accurate, easy-to-understand reports within minutes
- > Documents training and proper fit for new or existing employees
- > Fit-training videos provide additional training opportunity
- > Provides an ideal opportunity for one-on-one education

By verifying earplug effectiveness and providing an ideal opportunity for education, VeriPRO becomes an integral part of a successful Hearing Conservation Program.



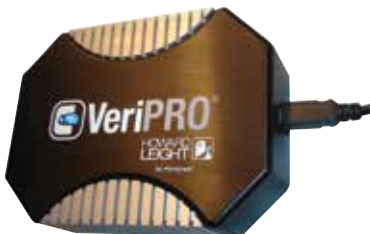
## VeriPRO at a glance.

VeriPRO®'s three-part process checks the effectiveness of an employee's earplug fit in each ear, using either Quick Check or Complete Check mode. This information is then captured in individual reports, accessible by the safety manager.



### Software

The software for VeriPRO was created to be easy to use — as simple as an ATM or an airport ticketing kiosk. It's easy to install on any PC, easy to get started and easy to operate. Its straightforward interface is readily understandable, even for people who aren't regular computer users.



### Audio Processor

Converts digital signal from the VeriPRO software, calibrates it to the headphones and amplifies the sound. The Audio Processor ensures accurate delivery of VeriPRO signals and increases test reliability.

## Headphones

The VeriPRO headphones are not your typical listening gear. These patented high-output headphones were designed specifically for VeriPRO. They are audiometrically optimized and calibrated to the signals used in the VeriPRO test, and can be used to test any earplug... including earplugs that haven't even been invented yet.



## The VeriPRO Experience

The VeriPRO® test is not a traditional hearing test. Instead, the user balances sound levels between the right and left ears to measure loudness differences with and without the earplugs normally worn by the user. This process, called “Loudness-Balance,” determines the Personal Attenuation Rating (PAR) achieved in each ear.

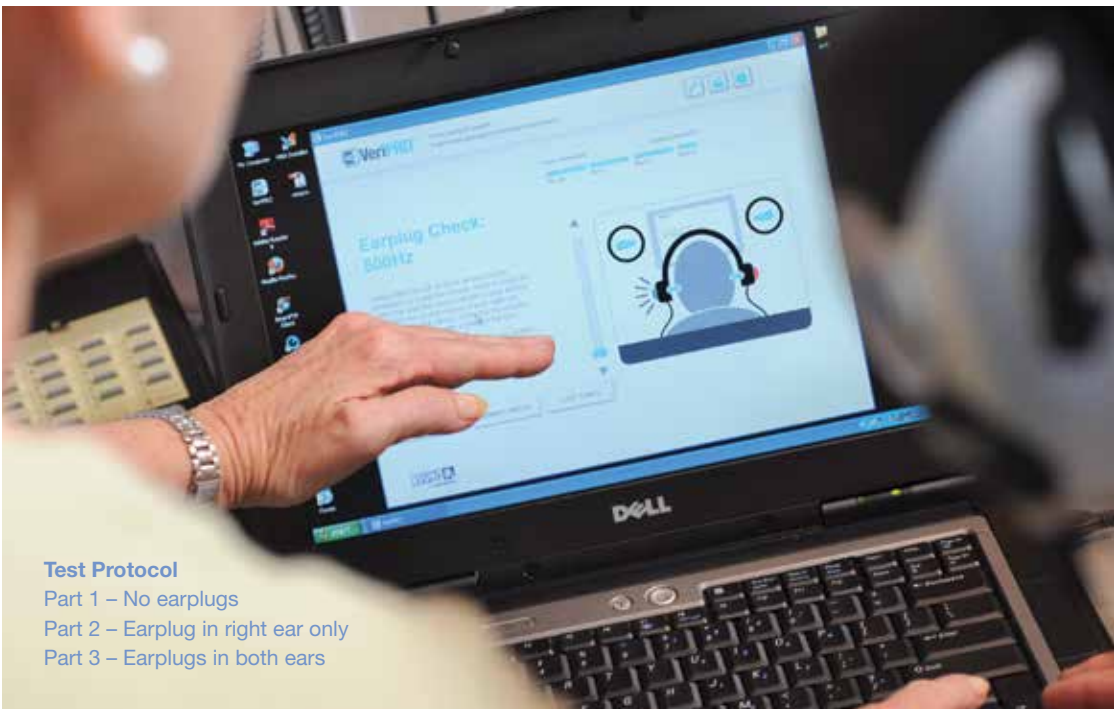


In a VeriPRO test, users match the loudness level of signals at various frequencies from one ear to the other. Two test modes, Complete Check and Quick Check, offer users options for administering fit-tests. The easy-to-understand VeriPRO interface provides helpful graphics and instructions to guide users through the process.

**Complete Check:** Calculates Personal Attenuation Rating across five frequencies (250, 500, 1000, 2000 and 4000 Hz)

**Quick Check:** Ideal for initial and annual training, short duration, tests one frequency (500 Hz)

**Fit Training:** Demonstrates step-by-step how to properly fit each Howard Leight® earplug



**Test Protocol**

- Part 1 – No earplugs
- Part 2 – Earplug in right ear only
- Part 3 – Earplugs in both ears

## Using the PAR + Reporting

Once each test is completed, the user's results are stored in the VeriPRO® software database and processed into a simple report. This report captures individual PAR data for each ear, along with Safe Exposure Level and Protected Exposure Level data. These can be saved or exported in a variety of common file formats for use in external databases for additional analysis.





# The A-Ha! Moment

The Personal Attenuation Rating (PAR) results from VeriPRO are uniquely powerful tools for determining each worker's earplug selection and fit training that may be required.

Numerous studies have made one thing clear: the best and most effective kind of training that can be done is one-on-one personal instruction. Brochures, videos and group sessions can provide useful training support, but there is no substitute for one-on-one training in the fit and use of hearing protection — and this is exactly the kind of opportunity that VeriPRO delivers.



## Fit Training

Studies show that providing immediate fit instruction helps users achieve a significant improvement in their earplug fit and attenuation in a second test. VeriPRO fit training videos provide step-by-step instruction on how to properly fit all Howard Leight® earplugs, and can be used for additional one-on-one training at any time.

# VeriPRO Application Protocol

VeriPRO® can solve several challenges in your Hearing Conservation Program.

## Safety Manager Benefits

VeriPRO helps fulfill regulatory requirements for proper fit, provides an opportunity for individualized training, and documents results in a training log for a more successful Hearing Conservation Program.

## Employee Benefits

VeriPRO demonstrates the importance of hearing protection in the workplace, and helps employees select and compare protectors to find the best choice for their ears and specific application.

Challenge	Description	Key Actions
Employee Training	Regulations require employers to provide annual training on use and fit of hearing protectors to all employees enrolled in its Hearing Conservation Program.	Perform VeriPRO fit testing on all employees at time of annual audiogram. Review the on-screen training video to model proper fitting techniques.
Workers With Significant Shift in Hearing or At-Risk for Further Occupational Hearing Loss	Annual audiogram and follow-up evaluations have documented that the employees have sustained significant shift in hearing or have been identified as being “at-risk” of further hearing loss.	Provide VeriPRO fit test for workers with a significant shift in hearing to ensure proper selection and fit of earplugs. Review the on-screen training video to model proper fitting techniques. Use this as a teaching moment and determine additional personalized hearing protector tactics for at-risk workers.
Earplug Selection	Attenuation provided by earplugs and earmuffs should be appropriate for the noise level and workplace requirements/applications, as well as worker comfort.	Create a group of workers to trial new earplugs and evaluate them against their current earplugs. Run this group through VeriPRO’s Quick Check to determine if current/new earplugs provide proper attenuation.
Standardized Protection Levels	Some companies mandate that employees in specific areas achieve a minimum amount of attenuation.	Hearing Conservation Program manager identifies minimum attenuation required for each area of facility. Using the Quick Check, each employee evaluates their protection with current earplugs.

# VeriPRO Specifications

## System Requirements

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Minimum Requirements:	700Mhz CPU, 256MB RAM
Recommended Requirements:	1.2Ghz CPU or faster, 512MB RAM
Hard-Disk Space Requirements:	800MB
Software Requirements:	Windows XP with SP2 or later, Windows 7 32-bit or 64-bit, Microsoft SQL Server Express, Microsoft .NET Framework 2.0, Microsoft .NET Framework 4.5

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## Regional Support

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Languages:	English, Dutch, French, German, Spanish, Portuguese, Polish, Hungarian and Italian
Rating Systems:	NRR (North America), SNR (Europe/Asia), SLC80 (Australia)

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## Ordering Information

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SKU	Description	Packaging
VERIPRO	VeriPRO System — Single Software License.  Audiometrically Optimized Headphones, Audio Processor, CD with Software, Replacement Ear Cushions, Earplug Samples, Quick Reference Guide, Technical Support.	Carrying Case

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A personal approach to Hearing Conservation training includes fit-testing of the worker's own earplugs, and a selection of various earplugs from which the employee can choose the most comfortable and most protective model. Such experiential training, including the use of VeriPRO, increases the measured attenuation of the earplug, and the observed proper use of hearing protection over time.

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