

Fit Check System	Manufacturer	Manufacturer Description of Equipment	System Type
Fit Check Solo	Michael & Associates, Inc. http://www.michaelassociates.com/products/fitcheck-solo-tm/	Uses PC 24-bit sound card, common on most PC's. Uses FitCheck headphones that plug into PC sound cards. Tests from 3-7 frequencies and generates the PAR. Compare the PAR to the manufacturer's NRR. Based on NIOSH WellFit program. XP / 7 compatible. type of insert hearing protector.	Win Tests any
CCF-200	Benson Medical Instruments Co. https://www.bensonmedical.com/ccf200	Usable with all manufacturers' earplugs. Stable, repeatable REAT algorithm. Integrates with CCA-200mini or CCA-100mini audiometer and BAS-200slm Simulator/Sound Level Meter. Programmable test sequences and frequency bands. PAR calculation based on both NIOSH and OSHA PEL (Permissible Exposure Limit) calculations.	REAT
E-A-R	3M https://www.3m.com/3M/en_US/worker-health-safety-us/solutions/hearing-conservation/dual-ear-hearing-protection-fit-testing/#validation	Tests both ears simultaneously in less than 5 seconds. and Earplug testing capability. standard frequencies: 125 - 8000Hz. based, objective, quantitative testing. Compliant with ANSI/ASA S12.71-2018. compatible with E-A-R products.	Earmuff Tests at 7 Science- Only
VeriPRO	Honeywell Howard Leight https://www.honeywellsafety.com/Products/Hearing/Hearing_Protection/VeriPRO_Earplug_Fit_Testing.aspx?site=/au	Uses a loudness balancing technique, not a hearing test. Measures real world attenuation using unmodified earplugs. Simple software installation and hardware set-up. Fast, accurate, easy-to-understand results in minutes. Captures/stores historical information on employee *PAR. Fulfills requirements to ensure proper initial HPD fitting. Works with any earplug.	Loudness Balancing

*PAR = Personal Attenuation Rating: an individualized noise reduction rating specifically for the person being tested

*MIRE = Microphone in Real-Ear: directly measures the amount of noise reaching the ear drum without conducting a hearing test

*REAT = Real Ear Attenuation at Threshold: measures the difference between hearing thresholds without HPDs and then with HPDs
 REAT testing (requires 2 hearing tests to be conducted)(most common method)

*Loudness Balancing = Listener matches tone loudness between ears with and without HPDs inserted, system calculates a PAR
 Loudness balancing testing (requires a baseline test without HPDs and then individual ear tests for 3 total tests)