

FitCheck Solo

FitCheck Solo provides the same functions as FitCheck without the requirements of external hardware. FitCheck Solo and the original FitCheck have been verified through independent studies to provide test results that are representative of ANSI S12.6-2008, which is the 'gold standard' for hearing protector attenuation measurements.

FitCheck Solo features:

Uses your PC 24-bit sound card, common on most PC's. An external 24-bit sound card is also an option.

Test from 3 to 7 frequencies and generate the FitCheck Solo PAR. The PAR is an A-weighted attenuation calculation that can be compared to the manufacturer's NRR.

Uses FitCheck headphones with 3.5 mm plug to fit directly into PC sound cards.

FitCheck Solo is based on National Institute for Occupational Safety and Health (NIOSH) WellFit program. FitCheck Solo was customized by Michael & Associates for industrial application.

Win XP / 7 compatible.

Can be used to test any type of insert hearing protector. Convenient file storage options and reporting capabilities.



Examples of the FitCheck Solo Reports

FitCheck Solo
Study Summary Report
Reported 2/27/2013

Study: Study 1 FitCheck Solo	Location: State College
Test Date: 1/29/2013	Location ID: 2233
Test Number: 22	Address: 2766 W. College Ave,
# of Subjects: 5	Suite 1
	State College
	16801
	US
Employer: ABC Company	
Employer ID: 2233	
NAICS Code: 511511	

Hearing Protectors			
Device Name	Device Model	Device Type	Manufacturer
ff	ff		ff
Moldex 1	Purafit		Moldex
Combat Arms	Combat Arms		3M
Combat Arms Open	Combat Arms Open		3M
Howard Leight 1	Max		Howard Leight

FitCheck Solo
Personal Attenuation Ratings Report
Reported 2/27/2013

Subject	Protector	Test Date	A-Weighted Attenuation	Correlated Attenuation	95th Percentile Prediction	Maximum Exposure
Michael, Kevin	3M Combat Arms Open	2/27/2013 4:22 PM	21.2	NA	NA	106.2
Michael, Kevin	3M Combat Arms	2/27/2013 4:17 PM	43.5	NA	NA	128.5
Michael, Kevin	Howard Leight Max	2/27/2013 4:24 PM	44.6	NA	NA	129.6

* Calculation incomplete due to subject not responding to all test frequencies.

FitCheck Solo
Personal Attenuation Details Report
Reported 3/6/2013

Employee: Michael, Kevin
Employee ID: 999
Gender:
Race:
Ethnicity:

Most Recent Personal Attenuation Rating
Protector: Max Howard Leight
Max Exposure: 119.6
Test Result: PASS

Most Recent REAT Test Results

Trial	Occluded			Unoccluded		
	500 Hz	1000 Hz	2000 Hz	500 Hz	1000 Hz	2000 Hz
1	82.0	70.7	81.3	36.0	38.9	44.7

Test History

Test Date	Protector	FitCheck Solo PAR	Correlated Attenuation	95th Percentile Prediction	Maximum Exposure	Test Result
3/6/2013 7:35 PM	Max Howard Leight	34.6	NA	NA	119.6	PASS

A test result of NR indicates that the subject did not respond.
Testing with fewer than all 7 frequencies leads to greater uncertainty in PAR values.

System cost, including software and FitCheck headphones.....\$3200
1-year support and software upgrade included

Annual support and software upgrade contract (after first year).....\$900

Michael & Associates, Inc.
Fit-testing Hearing Protection
Since 1990