

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, Suite 1
# of Subjects: 5	State College
Employer: ABC Company	16801
Employer ID: 2233	US
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

Subject	Protector	Test Date	FitCheck Solo PAR	Maximum Exposure	Test Result
Michaels, Kevin	3M Classic	9/4/2013 12:00 AM	30.3	115.3	PASS
Michaels, Kevin	HL Max	8/30/2013 12:00 AM	39.5	124.5	PASS

Employee: Michaels, Kevin
Employee ID: 8899
Gender: Male
Race: White
Ethnicity:

Most Recent Personal Attenuation Rating
Protector: HL Max
Max Exposure: 124.5
Test Result: PASS

Most Recent REAT Test Results

Trial	Occluded					Unoccluded				
	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz
1	46.6	61.6	56.4	62.1	82.0	2.3	14.4	15.7	26.6	24.8

Test History

Test Date	Protector	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	FitCheck Solo PAR	Maximum Exposure	Test Result
9/4/2013 12:00 AM	3M Classic		33.1	29.9	33.5	26.7	43.1		30.3	115.3	PASS
8/30/2013 12:00 AM	HL Max		44.2	47.2	40.7	35.5	57.2		39.5	124.5	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