

# Nextteq® VeriFit® Quantitative Respirator Fit Testing

## QUANTITATIVE RESPIRATOR FIT TESTING. THE HIGHEST LEVEL OF PROTECTION.

Quantitative fit testing (QNFT) is the most accurate fit testing method - using data to calculate the fit factor. Passing a real-time quantitative respirator fit test proves that the respirator is sized and donned correctly. Selecting properly fitting respirators and checking daily donning protects workers against insufficient oxygen environments, harmful dusts, fogs, smokes, mists, gases, vapors, and sprays. These hazards may cause cancer, lung impairment, diseases, or death.

### Powered by Sibata

The VeriFit® Quantitative Fit Tester is manufactured by Sibata Scientific Technology LLC and is exclusively sold by Nextteq® International LLC (NXI®). Sibata, founded in 1921, is a world leader in environmental testing and developed its first Fit Testing device in 1980. Approximately 50 years of technology and quality is behind the new VeriFit® Quantitative Fit Tester.



**NEXTTEQ®**  
INTERNATIONAL

## RESPIRATORY FIT TESTING IS EXTREMELY IMPORTANT IN A VARIETY OF INDUSTRIES AND APPLICATIONS.

Respirators properly worn can protect workers against hazards that may cause cancer, lung impairment, diseases, or death.

The VeriFit® Quantitative Fit Tester can help confirm that there is a tight seal and thereby ensure that workers are receiving the expected level of protection and safety. The instrument follows regulatory compliance protocols to measure the fit of the respirator or mask while the user simultaneously performs a series of moving, breathing, and talking exercises. These exercises are designed to simulate the same movements made in the field. With step-by-step guidance, the instrument walks you through the fit test procedure. Once the fit test is complete, it is easy to generate the individual's fit test report.

A rugged and easy-to-use fit tester can increase your staff's safety. Our software and features improve your respiratory protection program's efficiency, productivity, training, and regulatory compliance reporting.

(Note: OSHA requires a written respiratory program when using respirators in the workplace.)



**NIOSH and OSHA** played historic roles in respiratory protection for workers spanning over 50 years...Learn more

### Quantitative Respirator Fit Testing (QNFT) Applications:

- Half-mask fit testing
- Full-face fit testing
- Disposable filtering-facepiece fit testing for Series 95/99/100/ P1/P2/P3 respirators
- SCBA fit testing
- Gas mask fit testing
- PAPR fit testing

### Industries:

- Construction
- First Responder
- General Industry
- Healthcare
- Mining



**BETTER TECHNOLOGY.  
BETTER QUALITY.  
BETTER VALUE.**

At Nextteq®, we believe that the products we provide, especially ones that focus on worker safety, should be reliable, high quality, and affordable. The VeriFit® Quantitative Fit Tester is just that!



# VeriFit®

## Quantitative

Integrated mirror for self-checking respirator donning and positioning

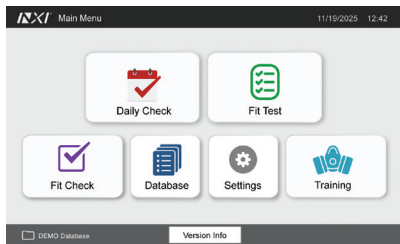


### Features

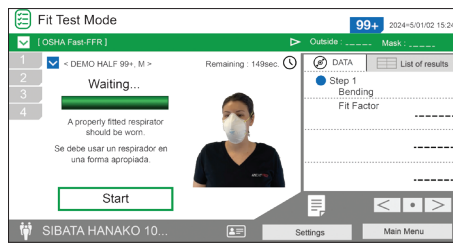
- Condensation Nuclei Counter (CNC) technology using a Radial Differential Mobility Analyzer (RDMA) - a preferred methodology when using a respiratory fit tester.
- Interactive Test Experience guides subjects through the testing process using demonstration videos and instructions in both English and Spanish.
- Packed with key user features now affordable to many!
  - Allows both standard and modified fast protocols.
  - Conducts fit test exercises required by CSA, ISO, JSA, and US OSHA including the OSHA Fast Fit Protocol, allowing fit tests to be completed in under three minutes.
  - Uses Isopropyl Alcohol or Ethanol for the particle measurement.
  - Allows user to choose standalone or PC mode.
  - Up to 4 instruments can be operated by one PC.
- When testing filtering facepiece respirators, both non-destructive testing using test guides and the standard fit testing method using a grommet and retaining ring attachment are available.
- Sturdy and durable aluminum crafting.
- Software provides the ability to print out individual test reports.

## EASY TO OPERATE USING GUIDED PROMPTS

1. Perform a  Daily Check.




4. Perform  Fit Test using Interactive Test Experience.



2. Perform  Training if necessary.

5. Obtain results and generate reports.

3. Select  Fit Test and enter employee information, type of test, and type of respirator.



Employee donning a filtering facepiece respirator (e.g. N95).

Employee donning a half-face elastomeric respirator.

<b>VeriFit®</b> Quantitative		<b>Fit Test Report</b> 11/17/2025	
ID No.	1033	Outside	6:50
Last Name	Lapierre	Outside	Outside
First Name	Amelia	Outside	Outside
Company	Rescue International	Outside	Outside
Location	Tempe	Outside	Outside
Test Date	6/16/2025 10:45 AM	Outside	Outside
Due Date	6/16/2025	Outside	Outside
Respirator			
Manufacturer	Vicor	Approval	Fit
Model	1000	Mode	Select
Mask Size	L	Mask	Seal
S/N	39100	Fit Test	OSHA Fast Fit
Protocol			
Pass Level			
Step	Exercise	Duration (Sec.)	Fit Factor
1	1	4	850
2	1	4	850
3	1	4	850
4	1	4	850
5	1	4	850
6	1	4	850
7	1	4	850
8	1	4	850
9	1	4	850
10	1	4	850
Overall			850
Operator			2 Duffy
Name: Amelia Lapierre			
Note: FL			
<b>Fit Test Card</b>			
Name: Amelia Lapierre		Test Date: 6/16/2025 10:45 AM	
ID No: 1033		Due Date: 6/16/2025	
Respirator: 1000		Protocol: 39100	
Manufacturer: Vicor		Approval: Fit	
Model: 1000		Mode: Select	
Mask Size: L		Mask: Seal	
S/N: 39100		Fit Test: OSHA Fast Fit	
Protocol:			
Pass Level:			

### Measurement Modes

**Daily Check:** Inspects and verifies the operation of the VeriFit® Quantitative MT-11 before conducting tests.

**Training:** Allows one to practice actual respirator donning and adjustment using a grommet and retaining ring attachment or cartridge adapter.

**Fit Test:** Quantitative fit testing following standards including CSA, JIS, ISO, and OSHA for the purpose of selecting a respirator that fits an individual.

**Fit Check:** Conservatively allows user, using Test Guides, to ensure there is a proper respirator seal before entering potentially high hazard areas.

Fit Test Results

Tear away Employee Card

# VeriFit®

## Quantitative

**Model MT-11**

**One of the most cost-effective and reliable QNFT units available today!**

### SPECIFICATIONS

**Model:** VeriFit® MT-11

**Measurement Principle:** Condensation Nuclei Counter (CNC) ratio measurement of particles inside and outside of a donned respirator

**Measurement Target:** Respirator fit around the face seal

**Measurement Range:** Counting range: 0.0 - 9,999,999 count

**Leakage rate:** 0.00 - 100.0%

**Fit Factor/Protection Factor:** 1.0 ~1,000,000

**Measurement Item:** Particle Count, Leakage Rate, Fit Factor, and Protection Factor

**Particle Size: 99+mode:** 0.02 - 1µm, 95 mode: around 0.06µm

**Function:** Leakage rate, protection factor, and fit factor calculation; RS-232C output, USB cable communications, and logging to USB memory stick

**Suction Flow Rate:** Total flow rate: 1 L/min` Sample flow rate: 0.25 L/min

**Operating Environment:** 59 - 86°F / 15 - 30°C, 30 - 90% RH (No condensation)

**Power Supply:** 100 - 240 V AC ±10%, 50/60 Hz, 1.0 A

**Dimensions/Weight** Approx. W8.27in x D10.83in x H9.45in / W210mm D275mm H240mm \*mirror folded / Approx. 9.92lbs / 4.5kg

### WHAT'S INCLUDED

- AC Adapter (plug attached, with 3 other plugs) x 1 pc
- Sampling Pair Tube 1.5m x 2 pcs
- Alcohol Cartridge (Alcohol Wick attached, installed in Alcohol Fill Case) x 1 pc
- Alcohol Fill Case x 1 pc
- Storage Cap (attached to the main unit) x 1 pc
- Replacement Alcohol Wick x 2 pcs
- Tube Connector x 2 pcs
- Test Guide x 10 pcs, Strap Clip x 1 pc
- High-Performance Zero Check Filter x 1 pc
- Package of grommet and retaining rings (100 qty)
- Stylus Pen (attached to the main unit) x 1 pc
- USB cable type A-B 1.5m x 1 pc
- USB flash drive x 1pc
- External output connector cap (attached to the main unit) x 1 pc
- Soft Travel Case x 1 pc
- VeriPUNCH™ Fit Test Tool

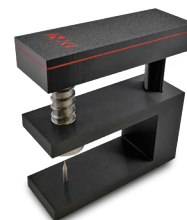
### ACCESSORIES / SPARES



Optional  
MT-11 Soft Case with handle  
P/N NX90752



Optional  
Isopropyl Alcohol (99.9%) Case of 12  
P/N NX90700



Included  
VeriPUNCH™ Fit Test Tool  
Patent Pending  
P/N NX90745

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