

Specification

Main Unit

Touch Panel

Alcohol Cartridge

Provide high-purity "reagent grade" alcohol (99.5% purity or higher) for measurement such as;

Ethanol (Ethyl Alcohol)

Isopropyl Alcohol

*Alcohol is not included, please prepare it locally.

Pressure Port

Measure the Ambient Pressure (Left) and the Mask Inside Pressure (Right).



Power

Ambient Inlet Nozzle (Blue)

Measure the particle concentration in the ambient air.

Sample Inlet Nozzle (Silver)

Measure the particle concentration inside of the mask.

Touch Pen

Accessory

- AC Adapter
- Power Cord
- Tube (Mask Inside Pressure Measurement)
- Storage Cap
- Alcohol Cartridge ①
- Alcohol Storage Container ②
- USB Cable
- Twin Tube
- Zero Check HEPA Filter
- Spare felt Wire mesh (2 pcs each)
- Neck Strap
- CD-ROM (Application Software / Instruction Manual)
- USB Memory

Product Name	MNFT PRO (Mask Inside Pressure & Fit Tester)
Concentration Range	0.015 ~ 1 μm
Language	English, Japanese, Chinese, Korean
Dimension	W 208 × H 152 × D 263 mm
Weight	Approx. 3.2 kg
Power Supply	AC Adapter Input AC 100 - 240V 50/60Hz Output DC12V 2A

► Possible to Measure via Computer

By installing the software, it is possible to measure via computer. It is possible to control four units with one computer.

► Utilize the Measurement Result

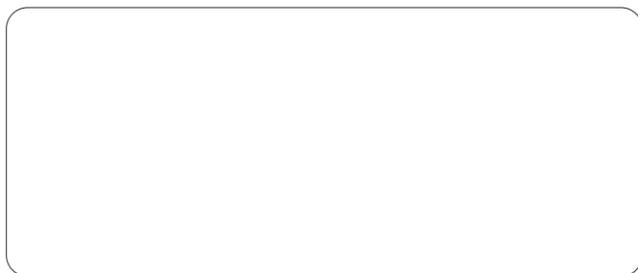
It is possible to save the data (Microsoft Excel, CSV file) and print out. In addition, it will support to make a report.

● Specifications are subject to change without notice. ● The actual colour may vary from those shown.

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Provides Fit Testing compliant with OSHA 29CFR1910.134

Visualize Face Seal



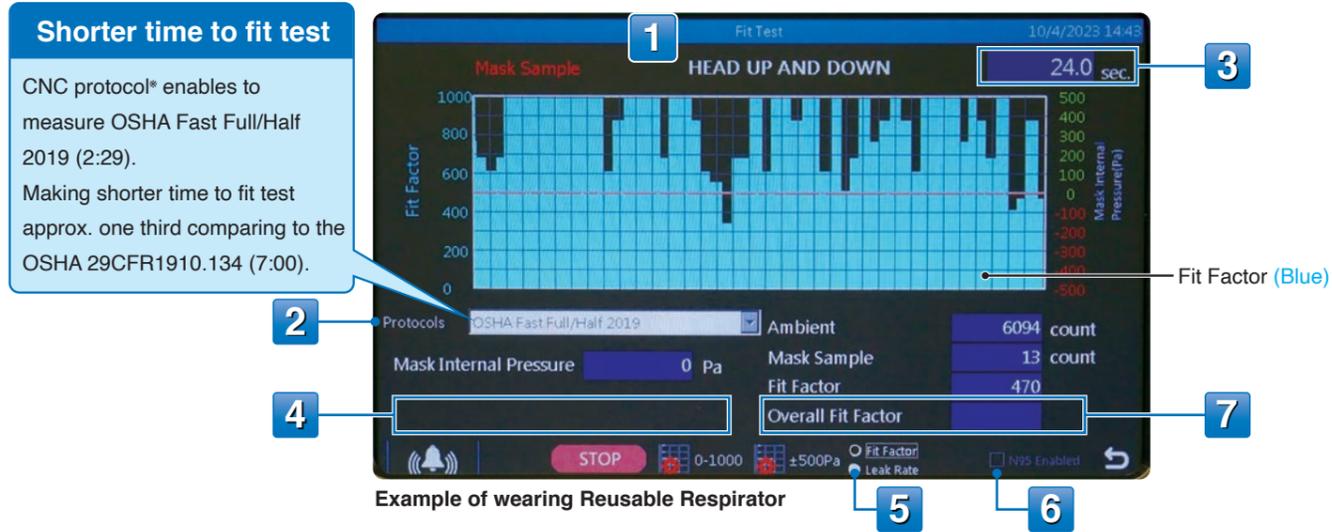
MNFT PRO measures the ambient particles and the particles inside of the mask. It can measure the Fit Factor as fit test. **Displays Fit Factor or Leak Rate, and the pressure inside the mask on "Real Time".** Can be used as daily training and education for Respiratory Protective Devices.

Made in Japan

Fit Test

Provides Fit Testing compliant with OSHA 29CFR1910.134!

MNFT PRO complies with not only OSHA 29CFR1910.134, but also new OSHA Modified Protocols which is suitable for daily training and mask selection.



Suitable for fine particles
CNC protocol* enables to detect particle size minimum 0.015µm (15nm). Suitable for particle size around 0.1µm (100nm) such as welding fume and virus etc.

- 1 Fit Test Exercises (display will change with each exercise)
- 2 Fit Test Protocol
- 3 Remaining Time
- 4 Displays "PASS" or "Failed" (after fit test exercises)



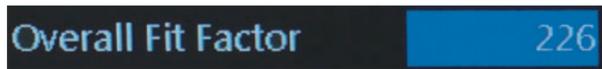
*CNC (Condensation Nucleus Counter) Enables to detect nanoparticles less than 0.1µm which cannot be detected by light-scattering technique, using alcohol vapours to make the diameter larger. In overseas, it is also called as CPC (Condensation Particle Counter).

Fit Test Procedure

A fit test is a method confirming that a mask fits well on the face using a Fit Tester, etc. in an objective way, so that the operator can provide the suitable mask for the wearer. After selecting the protocol, perform fit test and confirm if the Fit Factor is more than the required fit factor.

Includes N95 Mode
N95 Mode enables to measure disposable masks and N95 mask. By reducing the affect of particles penetrating the filter, it enables to measure the face seal of the mask accurately.

- 5 Fit Factor / Leak Rate Possible to switch Fit Factor and Leak Rate. Please use particle generator if the ambient particle is low.
- 6 N95 Mode If the N95 enabled box is selected, it is N95 Mode. If changing the mode, please perform the Validation Check.
- 7 Overall Fit Factor Displays "Overall Fit Factor" (after fit test exercises)



Example of "Overall Fit Factor"

Fit Test Adaptor etc.

Fit Test Adaptor will be necessary to perform fit test. Fit Test Adapter for both PAPR and Reusable Respirators are available.

Real Time Mode

Real Time Mode is a special function for MNFT PRO. It is not compliant with OSHA 29CFR1910.134.

Check Fit Factor or Leak Rate on "Real Time"!

Possible to confirm the correct fitting by adjusting the head harness and the position of the mask referring to the "Real Time" display, and is suitable for daily training.



- 1 Fit Factor or Leak Rate
- 2 Mask Inside Pressure
- 3 Type of Graph One Step / Two Step Display
- 4 Fit Factor / Leak Rate Possible to switch Fit Factor and Leak Rate.
- 5 N95 Mode If the N95 enabled box is selected, it is N95 Mode. If changing the mode, please perform the Validation Check.



For Real Time Mode, attach twin tube and tube (Mask Inside Pressure Measurement). For measurement, it is necessary to use Guide for MNFT PRO.

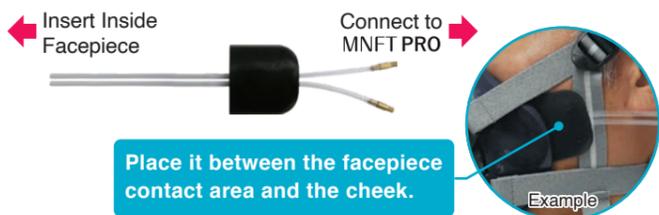
Check Safety with Style of Synchro PAPR with MNFT PRO!

Example of wearing Synchro Breath Responsive PAPR

Synchro Breath Responsive PAPR provides high safety by keeping positive pressure. Even if airtightness breaks, the fan will keep running to lower the risk of breathing in particles.

Risk Response

Guide for MNFT PRO



Use to measure the leakage and inside pressure with MNFT PRO.

Warning: This product cannot be used for fit testing. Do not perform actual work with this guide inserted between the facepiece and the face (cheek).