



Knowledge Beyond Measure.

PortaCount™ Respirator Fit Tester

Models 8048/8048-T



Tablet included
with 8048-T kit

Respirator Fit Testing You Can Trust

PortaCount™ Respirator Fit Tester utilizes the most effective quantitative fit testing method available to identify poor fitting masks. Industry-first features train staff how to wear respirators for optimal protection. Have confidence with the most trusted fit test instrument to increase your staff's safety, and improve your program's efficiency and productivity.

Features and Benefits

- OSHA, CSA, HSE INDG, ANSI/ASTM, ISO, INRS and JIS accepted for ALL Full-facepiece and Half-facepiece tight fitting elastomeric respirators and filtering facepiece respirators, including NIOSH Series -95 /-99 /-100; EN -P1 / -P2 / P3 filter media.
- Measures fit factors from 1 to greater than 10,000
- Computes respirator fit factor using microscopic particles in ambient air
- Automates fit testing with *FitPro™* Ultra Software
- Real-Time *FitCheck™* Mode to train new users and troubleshoot failed fit tests
- Optional mask sampling adapter kits enable fit testing in employee's personal respirators
- *FitPro™* Ultra software can print fit test cards with fit test report

PortaCount™ Models 8048/8048-T include:

- *N95-Companion™* Technology
- Carrying case
- AC power supply with global plug adapters
- Alcohol supply (sixteen 30 ml bottles of 99.5% reagent grade isopropanol – enough for ~240 hours of operation)
- *FitPro™* Ultra Fit Test Software
- Particle Generator
- Standard accessory kit (twin tubing, zero filters, spare wicks, alcohol fill capsule and cartridge, USB cable)
- Filtering Facepiece fit testing kit (probe insertion tool, probes, push nuts and lanyard)
- Ruggedized Windows 11 tablet PC with 10.5" LCD screen (included with 8048-T kit)

FitPro™ Ultra Fit Test Software

- New *FitPro™* Ultra Fit Test Software improves efficiency and simplifies fit testing
- New advanced user interface designed for efficiency with intuitive workflows providing one-step-to-a-fit test
- Wireless WiFi® communication to leverage the utility of a laptop or tablet
- Industry first active animations guide the test subject through the fit test exercises to help ensure better worker protection, not just compliance, improving fit test success rate for confidence and greater productivity
- Interactive user guides



Specifications

PortaCount™ Respirator Fit Tester

Models 8048/8048-T

Fit Factor Range

1 to greater than 10,000, 1 to 200 for respirators with <99% efficient filters (i.e., N95's)

Respirator Facepieces that can be Fit Tested

Full-facepiece elastomeric
Half-facepiece elastomeric
NIOSH Series-100 filtering-facepiece
NIOSH Series-99 filtering-facepiece
NIOSH Series-95 filtering-facepiece
EN FFP1 filtering-facepiece
EN FFP2 filtering-facepiece
EN FFP3 filtering-facepiece

Fit Factor Measurement

Direct measurement of fit factor = $(C_{out}/C_{in})^*$

Dimensions

4.83 in. x 10.5 in. x 9.46 in. (12 cm x 27 cm x 24 cm)

Weight

Instrument Only	7.0 lb. (3.2 kg)
With Standard Accessories and Case	15.35 lb. (6.9 kg)

Power

Autosensing 100 to 250 VAC, 50 to 60 Hz

Flow Rate

Sample	350 cm³/min
Total	1000 cm³/min (nominal)

Temperature Range

Operation	32 to 100°F (0 to 38°C)
Storage	-40 to 122°F (-40 to 50°C)

Working Fluid

99.5% reagent grade isopropanol.

Run time per charge:	Typical 6-hr of fit testing operation at 70°F (21°C)
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Carrying Case

Dimensions (HWD)	10.0 in. x 20.5 in. x 15.5 in. (25.4 cm x 52.1 cm x 39.4 cm)
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Pass/Fail Setting

User-selectable: 0 to 10,000

Factory Recalibration Interval

One year

Warranty

Two years on workmanship and materials.

Communications

WiFi, USB-C, USB-A

PC Hardware Requirements for *FitPro™* Ultra Fit Test Software

Windows® 10, and Windows® 11 (64 bit) operating system
Complete install including .Net support
Note — An internet connection is required to install Microsoft .Net
≥ 1 GHz process
≥ 1280 x 800 screen resolution monitor
500 MB free space on hard drive
1 free USB port

Tablet Requirements

Windows® 10 and Windows® 11 operating system
USB port (for initial set up)

Software

FitPro™ Ultra Fit Test Software featuring advanced user interface, animated graphics, and interactive troubleshooting guide.

Optional Accessories

Mask Sampling Adapters for select respirator models.

Ruggedized Windows 11 tablet PC
Tablet details: Sunlight Readable 10.5" LCD Screen (1920 x 1280 Resolution), Windows 11 Pro, 2 x USB C Ports, Magnetic Charger Jack / Charging cord, 8GB Memory, 128GB Storage, Intel® Wi-Fi, Bluetooth 5.2, IP66 Water & Dust Protection, Ruggedized design, USB-C (M) to USB-A (F) adapter included, Folding support stand on rear of tablet
To see more specs please visit: <https://tsi.news/4j2KNQf>

WiFi USB dongle.

*Mask leakage is measured simultaneously while test subject moves and breathes.

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To see our list of patents please visit:
www.tsi.com/patents



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