PORTACOUNT®
RESPIRATOR FIT TESTER
MODEL 8048

RESPIRATOR FIT TESTING
YOU CAN TRUST

The only commercially available instrument in the world that can quantitatively fit test all tight fitting respirator face masks, including all N95, P1 and P2 filtering face piece respirators!

Accept no substitutes . . . choose the original ambient aerosol condensation nuclei counter (CNC) quantitative fit testing instrument, the PortaCount Respirator Fit Tester using N95-Companion™ technology.

PortaCount Model 8048 Includes
+ N95-Companion technology
+ Carrying case
+ AC adaptor
+ Alcohol supply (sixteen 30 ml bottles of 99.5% reagent grade isopropanol – enough for ~240 hours of operation)
+ FitPro™ Ultra 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, lock nuts, lanyard)

FitPro Ultra Software
+ New FitPro Ultra fit test software improves efficiency and simplifies fit testing
+ New advanced user interface with intuitive design supporting 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 ensure greater compliance
+ Interactive troubleshooting guide

Features and Benefits
+ OSHA, CSA, HSE, and ANSI Compliant for ALL tight fitting respirators, including Series 95, 99, 100, FFP1, FFP2, and FFP3 filtering facepiece respirators
+ Measures fit factors 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
+ Mask sampling adapter kits enable fit testing in employee's personal respirators
+ Software prints fit test cards with fit test report or on ID cards

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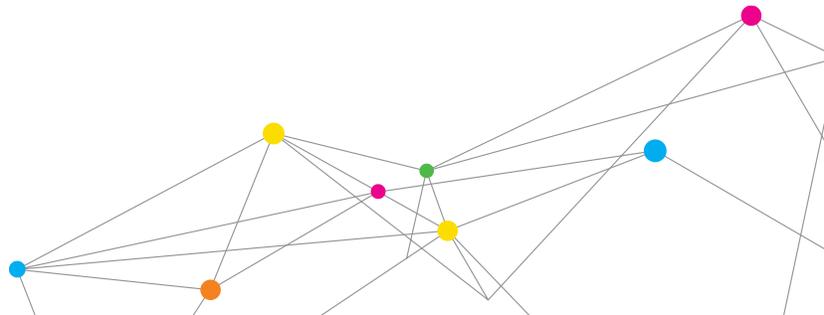
SPECIFICATIONS

PORTACOUNT® RESPIRATOR FIT TESTER
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Fit Factor Range
1 to greater than 10,000, 1 to 200 for N95 masks

Respirator Facepieces that can be Fit Tested
Full-face elastomeric
Half-face elastomeric
NIOSH series-100 filtering-facepiece
NIOSH series-99 filtering-facepiece
NIOSH series-95 filtering-facepiece
Series FFP1, FFP2, FFP3 respirators

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
Unit 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 isoproponal.
Run time per charge:	6 hr of fit testing operation at 70°F (21°C)

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)

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

Minimum PC Hardware Requirements for FitPro Ultra Fit Test Software
Windows® 7 (32 and 64 bit), Windows 8 (32 and 64 bit), or Windows 10 (32 and 64 bit) operating system

Microsoft.Net version 4 (installation software will install Microsoft.Net if necessary) 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

Minimum Tablet requirements
Windows® 10 operating system
USB port (for initial set up)

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

Optional Accessories
Mask Sampling Adapters for select respirator models.
Microsoft® Surface Pro Tablet (4 GB RAM, 128 GB of storage).
WiFi USB dongle.

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

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Windows is a registered trademark of Microsoft Corporation in the United States and/or other countries.

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

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TSI Incorporated - Visit our website **www.tsi.com** for more information.

USA	**Tel:** +1 800 874 2811	**India**	**Tel:** +91 80 67877200
UK	**Tel:** +44 149 4 459200	**China**	**Tel:** +86 10 8219 7688
France	**Tel:** +33 1 41 19 21 99	**Singapore**	**Tel:** +65 6595 6388
Germany	**Tel:** +49 241 523030		