



® Knowledge Beyond Measure.

# PortaCount® Respirator Fit Tester

Model 8040



## Respirator Fit Testing You Can Trust.

The PortaCount® Respirator Fit Tester Model 8040 provides a consistent and objective quantitative respirator fit testing experience for all respirator face masks using  $\geq 99\%$  efficient filter media. Featuring intelligent touchscreen solutions that support respiratory protection programs from training through compliance.

Accept no substitutes . . . choose the original ambient aerosol condensation nuclei counter (CNC) quantitative fit testing instrument.

### 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, using NIOSH Series -99 /-100; EN-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
- Mask sampling adapter kits enable fit testing in employee's personal respirators
- Software can print fit test cards with fit test report

### PortaCount® Model 8040 Includes

- Carrying case
- AC power supply with global plug adaptors
- Alcohol supply (sixteen 30 ml bottles of 99.5% reagent grade isopropanol – enough for ~240 hours of operation)
- FitPro™ Ultra Fit Test Software
- Standard accessory kit (twin tubing, zero filters, spare wicks, alcohol fill capsule and cartridge, USB cable)

### 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



## Specifications

# PortaCount® Respirator Fit Tester

## Model 8040

### Fit Factor Range

1 to greater than 10,000

### Respirator Facepieces that can be Fit Tested

Full-facepiece elastomeric  
Half-facepiece elastomeric  
NIOSH Series-100 filtering-facepiece  
NIOSH Series-99 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

Unit Only	6.1 lb. (2.7 kg)
With Standard Accessories and Case	14.45 lb. (6.5 kg)

### Power

Autosensing 100 to 250 VAC, 50 to 60 Hz

### Flow Rate

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

### Working Fluid

99.5% reagent grade isopropyl alcohol.

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® 7 (32 and 64 bit), Windows® 8 (32 and 64 bit), Windows® 10, and Windows® 11 (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

### Tablet Requirements

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

### Software

FitPro™ Fit Test 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.

Specifications are subject to change without notice.

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To see our list of patents please visit:  
[www.tsi.com/patents](http://www.tsi.com/patents)



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