

## Respirator Fit Testing



### Features and Benefits

- Faster N95 fit testing time—down from 10:24 seconds to only 7:15 seconds
- Greater simplicity with the built-in N95-Companion™ technology
- Stand-alone operation—no external computer required\*
- Reduces need for an external particle generator
  - Redesigned DMA for enhanced performance
  - Ability to perform N95 fit testing with much lower ambient particle concentrations
- Color touch screen
- OSHA-compliant for all respirators, including N95
- Measures fit factors greater than 10,000
- Switch between different respirator types in under a minute
- Automates fit testing with FitPro™ Fit Test software
- Software prints fit test cards with fit test report or on ID cards

### PORTACOUNT® PRO+ Respirator Fit Tester Model 8038

No other fit tester can quantitatively fit test all types of respirators—gas masks, SCBAs, respirators, even N95 disposable (filtering-facepiece) respirators. The PORTACOUNT PRO+ Respirator Fit Tester eliminates the guesswork associated with tedious and error-prone qualitative fit test methods. If the mask requires fit testing, count on the PORTACOUNT PRO+ fit tester to provide the fastest, easiest and best OSHA-accepted fit test method.

### PORTACOUNT PRO+ Respirator Fit Tester Kit Includes

- Carrying case
- AC adapter
- Alcohol supply (enough for ~240 hours of operation)
- FitPro Fit Test Software on CD
- USB computer interface cable
- Particle Generator (shipped separately)
- Operation and service manual

For additional software information, see the TSI FitPro Fit Test Software Specification Sheet.

\*A computer is necessary for report generation and fit test card printing



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## Specifications

### Model 8038 PORTACOUNT PRO+ Respirator Fit Tester

#### Fit Factor Range

1 to greater than 10,000, 1 to 200 for N95 masks

#### Typical Fit Factor Accuracy

±10% of reading

#### 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

#### Fit Factor Measurement

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

#### Dimensions

6.75 in. x 8.5 in. x 9.5 in. (17 cm x 22 cm x 24 cm)

#### Weight

Unit Only 6.8 lb (3.1 kg)  
With Standard Accessories and Case 18 lb. (8.2 kg)

#### Power

Autosensing 100 to 250 VAC, 50 to 60 Hz

#### Flow Rate

Sample 350 cm<sup>3</sup>/min  
Total 1000 cm<sup>3</sup>/min (nominal)

#### Temperature Range

Operation 32 to 100°F (0 to 38°C)  
Storage -40 to 160°F (-40 to 70°C)

#### Alcohol

Hours Per Charge 6 hours at 70°F (21°C)  
Alcohol Type 99.5%+ reagent grade isopropyl

#### Carrying Case

Dimensions (HWD) 9 in. x 13.7 in. x 19.5 in.  
(23 cm x 34.8 cm x 49.5 cm)

#### Pass/Fail Setting

User-selectable: 0 to 10,000

#### Factory Recalibration Interval

One year

#### Warranty

Two years on workmanship and materials

#### Minimum PC Hardware Requirements for FitPro Fit Test Software

Microsoft® Windows® XP, Windows Vista® (32-bit only), or  
Windows 7 (32- and 64-bit) software



#### Optional Accessories

Mask Sampling Adapters for select respirator models

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

Model 8038 PORTACOUNT® PRO+ Respirator Fit Tester is patented under U.S. Patent No. 6,125,845.

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