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+ Model 8038 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.

**Features and Benefits**

+ 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
## SPECIFICATIONS

### PORTACOUNT® PRO+ RESPIRATOR FIT TESTER
MODEL 8038

**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 \( \frac{C_{out}}{C_{in}} \)*

**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 cm³/min
- Total: 1000 cm³/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**
- Windows® XP, Windows 7 (32 and 64 bit), or Windows 8 (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 processor
- ≥ 12080 x 800 screen resolution monitor
- 500 MB free space on hard drive
- 1 free USB port
- CD-ROM reader or internet connection (to install the software)

**Optional Accessories**
Mask Sampling Adapters for select respirator models

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

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