PORTACOUNT® PRO
RESPIRATOR FIT TESTER
MODEL 8030

RESPIRATOR FIT TESTING YOU CAN TRUST

No other fit tester can quantitatively fit test so many types of respirators–gas masks, SCBAs, respirators, even disposables (for fit testing N95 disposable respirators, see the PortaCount® Pro+ Respirator Fit Tester). 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 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
+ Operation and service manual

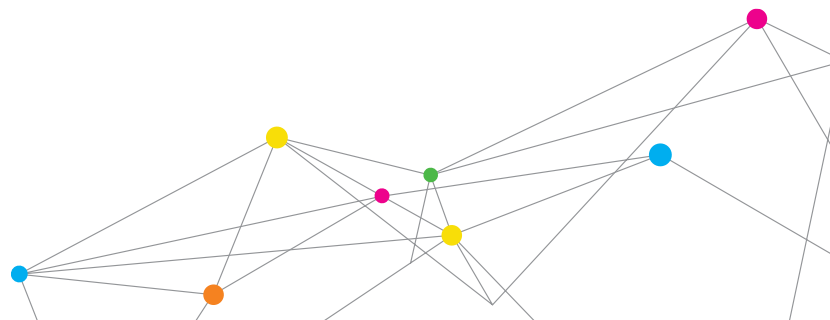For additional software information, see the TSI FitPro Fit Test Software Specification Sheet.

Features and Benefits

+ Simpler and easier to use
+ Stand-alone operation–no external computer required* makes unit quicker to set up, easier to operate
+ Color touch screen lets you operate the instrument with a touch of your finger, pen, or stylus
+ OSHA-compliant for all respirators, except N95
+ Measures fit factors greater than 10,000
+ Computes respirator fit factor using microscopic particles in ambient air
+ Automates fit testing with FitPro Fit Test software
+ Optional mask sampling adapters allow employees to be tested in their own respirators
+ Software prints fit test cards with fit test report or on ID cards

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

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SPECIFICATIONS

Fit Factor Range
1 to greater than 10,000

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

Weight

Unit Only	5.0 lb (2.7 kg)
With Standard Accessories and Case	16 lb (7.3 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
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

*8038 upgrade required for P1 and P2 respirators.
**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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