



TSI

Prod # 6050

Portacount 8020 Respirator Fit Testing

Applications:

- Educational tool for new employees: the proper selection and use of respirators
- Evaluation of company respirator programs
- Yearly requirements for company records

Accessories:

- **Standard**
 - Complete testing kit c/w transit case
 - Portacount Plus software
 - AC adapter
- **Optional**
 - Laptop computer

Specifications:

Dimensions	: 24.0 cm x 19.0 cm x 14.0 cm : (9.5" x 7.5" x 5.5")
Weight	: 1.9 kg (4.2 lbs)
Fit factor range	: 1 to 10,000 (user adjustable)
Particle size	: 0.02 to greater than 1 micrometer
Power source	: 115V AC adapter
Output	: RS-232 to computer or printer

Features:

- No harmful challenge agents or confining enclosures cause apprehension to the test subject
- Results are displayed immediately and with no operator bias
- User configurable PASS/FAIL settings
- Exercise sets can be customized to suit the person being tested
- A permanent report can be printed or stored in a computer Dbase format for inclusion in a corporate database
- Time- and cost-saving in that a failed fit test can be easily aborted, the respirator re-adjusted and re-testing performed immediately. No "recovery period" usually necessary when normal qualitative challenge agents are used
- Tests employees with their own respirators (with the aid of a suitable adapter purchased from the respirator supplier)



The **TSI Portacount Plus** system removes all the guess work in respirator fit testing. The Portacount Plus instrument, combined with a personal computer and TSI Fit Plus Software, draws the operator into participation in the testing process. Results are automatically saved in the Fit Plus Database for permanent record keeping. This is a quantitative approach to respirator fit testing using microscopic particles in the air as the challenge agent.

Qualitative methods use such agents as banana oil, saccharin or irritant smoke. The tester depends on the person being tested truthfully reporting either tasting or smelling these agents. In addition, tent or booth enclosures are often used to confine the challenge agent and add to the anxiety of the person being tested. All these problems are eliminated using the TSI Portacount Plus.