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TSI Offers Total Fit Testing Solution

For over 25 years, TSI has been an innovator and leader in providing Quantitative Fit Testing (QNFT) of respirators with the PortaCount ® Respirator Fit Testing product line. This experience has resulted in continued innovation and improvements for occupational health and safety. Therefore, TSI is pleased to introduce the new Qfit Respirator Fit Tester, which now provides the easiest and most comprehensive method for qualitative fit testing (QLFT).

Qualitative Fit testing

The Qfit™ Respirator Fit Tester is the only OSHA (29CFR1910.134) approved automated nebulizer for BITREX ® and Saccharin to qualitatively test the integrity of respirators.

At the push of a button, the Qfit™ fit tester generates a consistent test agent with a pump driven nebulizer utilizing pre-filled cartridges. The Qfit™ fit tester reduces solution clogging, minimizes repetitive stress disorders, and eliminates the nuisance of mixing, handling and refilling solutions.

The Qfit™ Respirator Fit Tester models are light weight, portable, and battery operated. Operating with either automatic and manual, the Qfit™ fit tester replaces the need to repetitively hand aspirate a rubber squeeze bulb by utilizing an integral pump to disperse sensitivity and fit test solutions. Both automatic and manual Qfit™ fit testers can be operated in either a handheld or remote mode.

Quantitative Fit Testing

The PORTACOUNT ® PRO and PRO+ quantitative Respirator Fit Testers offer fast, simple, easy-to-use, stand-alone operation and are European state compliant for all respirators. No other respirator fit tester can quantitatively fit test all types of respirators—gas masks, SCBAs, respirators, even P1 and P2 disposable (filtering-facepiece) respirators.

The PORTACOUNT PRO fit testers measure fit while the user simultaneously performs a series of moving, breathing and talking exercises designed to simulate the same movements made in the field

Both units are quick to set up and easy to operate because they do not require an external computer. The color touch screen allows the user to control the test with a touch of a finger, pen or stylus.

The FITPRO software program automatically leads the user through the fit test protocol step by step and makes testing simple. Fit test results are stored in a database for easy report generation, retrieval and regulatory compliance.

TSI has adopted a "Good" "Better" "Best" approach to respirator fit testing:

Good — Qualitative fit testing (QLFT) is a subjective test and is not comparable to the comprehensive PortaCount® quantitative fit tester.

Better — Qualitative fit testing (QLFT) with the Q-fit™ Respirator Fit Tester. No mess… no stress… at a push of a button… fit test done.

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Best — Quantitative fit testing (QNFT) with the PortaCount ® Pro/Pro+ Respirator Fit Testers. The only OSHA approved Fit Test system that can test all types of respirators. It's more than a fit test…it's a peace of mind.

Fit testing the right way means you're improving your risk management program while increasing productivity because your team is more comfortable and confident in their respiratory protection program. Equally important, you're complying with regulations/standards and providing your staff with the best respiratory protection possible.

TSI offer a total fit testing solution.

About TSI

An international leader in measurement technology for over 40 years, TSI Incorporated designs and manufactures precision instruments used for respirator fit testing, exposure monitoring, contamination control, indoor air quality, ventilation testing, aerosol research instruments, and other key parameters in the environment. TSI serves the needs of industry, governments, research institutions and academia.

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TSI present DUSTTRAK™ II and DRX Aerosol Monitors

The DUSTTRAK II and DRX Aerosol Monitors are battery-operated, data-logging, light-scattering laser photometers that give you real-time aerosol mass readings. These monitors measure aerosol contaminants such as dust, smoke, fumes and mists. They are suitable for clean office settings as well as harsh industrial workplaces, construction and environmental sites and other outdoor applications. The DUSTTRAK II and DRX Aerosol Monitors are both available in desktop or handheld models.

Easy to Program, Easy to Operate

The new graphical user interface with color touch-screen puts everything at the user's fingertips. The easy-to-read display shows real-time mass concentration and graphical data as well as other statistical information.

DUSTTRAK DRX Aerosol Monitors

These laser photometers simultaneously measure mass and size fraction— something no other monitor can do. Both the desktop and handheld models are continuous real-time 90° light-scattering laser photometers that simultaneously measure size-segregated mass fraction concentrations corresponding to PM_1, $PM_{2.5}$, Respirable, PM_{10}, and Total PM size fractions. They combine both particle cloud (total area of scattered light) and single particle detection to achieve mass fraction measurements. This size-segregated mass fraction measurement technique is superior to either a basic photometer or optical particle counter (OPC). It delivers the mass concentration of a photometer and the size resolution of an OPC.

DUSTTRAK II Aerosol Monitors

Both the desktop and handheld models are continuous real-time, single-channel, 90° light-scattering laser photometers that are used to determine the mass concentration of aerosols. A built-in pump allows the use of a variety of size-selective inlet conditioners to measure aerosol concentrations corresponding to PM_1, $PM_{2.5}$, PM_{10}, or Respirable size fractions.

TRAKPRO™ Software Makes Monitoring Easier than Ever

TRAKPRO Data Analysis Software allows the user to set up and program directly from a PC. A new feature is the ability for remote programming and data acquisition from your PC via wireless (920MHz or 2.4GHz) communications or over an Ethernet network. This gives the ability to print graphs, raw data tables and statistical and comprehensive reports for recordkeeping purposes.

Ideal applications include industrial/occupational hygiene surveys, indoor air quality investigations, outdoor environmental monitoring, fugitive emissions monitoring, site perimeter monitoring, dust control operations, environmental research studies, baseline trending and screening, engineering control evaluations, point source monitoring, engineering studies, remote monitoring, process monitoring, emissions monitoring and aerosol research studies.

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