

# N95-COMPANION™ to the PORTACOUNT® Plus



Now you can quantitatively fit test Series 95 disposable respirators using the N95-Companion™ from TSI. It's the solution you've been waiting for!

### Take the guesswork out of respirator fit testing

The OSHA-accepted PORTACOUNT® Plus Respirator Fit Tester has long been used for respirators with high-efficiency filters. It's the ease of use and trusted reliability that make it the ideal choice for your fit test program. Today technology from TSI makes it possible for you to quantitatively fit test series-95 disposable respirators as well.

The qualitative methods used today have never delivered the kind of results you could really feel comfortable with. Those methods—using saccharin, banana oil or Bitrex®—are tedious, the testing hoods are clumsy, and employees may not always give the most accurate response to the fit test. There's just too much room for human error.

### Fit test the easy way

The N95-Companion works with the PORTACOUNT Plus to provide you with a complete solution to all of your fit testing needs. Use the PORTACOUNT alone for masks equipped with series-99 and series-100 filters. Add the N95-Companion to fit test masks with series-95 filters, including the popular N95 filtering-facepiece disposables. You can switch back and forth between different respirator types in minutes.

The easy-to-use FitPlus™ for Fit Test software, which comes with every PORTACOUNT, automates the fit test, prints the results and maintains a database for permanent record keeping and report generation.

### Already have a PORTACOUNT Plus?

The N95-Companion requires your PORTACOUNT Plus to have "Revision A" modifications. Contact TSI to find out how your PORTACOUNT can be made N95-Companion ready.

## Specifications

### Model 8095 N95-Companion

Size	9.5 in. × 7.5 in. × 2.3 in. (24 cm × 19 cm × 58 cm)
Weight	2 lbs (0.908 kg)
Fit Factor Range	1 to 200
Concentration Range	0.01 to $5 \times 10^5$ particles/cm <sup>3</sup>
Test Particle Size	0.04 micrometer (nominal)
Typical Fit Factor Accuracy	±10% of reading
Minimum Exercise Duration	86 seconds
Temperature Range	
Operation	32 to 100° F (0 to 38°C)
Storage	-40 to 160° F (-40 to 70°C)
Flow Rate	700 cm <sup>3</sup> /min (nominal)
Carrying Case	
Size	19 in. × 15 in. × 6 in. (48 cm × 38 cm × 15 cm)
Weight with Accessories	13 lbs (5.9 kg)
Pass/Fail Setting	User selectable: 0, 10, 25, 50, 100, 125, 166, or 200 (other values can be programmed by user)
Factory Recalibration Interval	One year
Warranty	Two years on workmanship and materials, 90 days on batteries

### Included Accessories

- Model 8026 Particle Generator

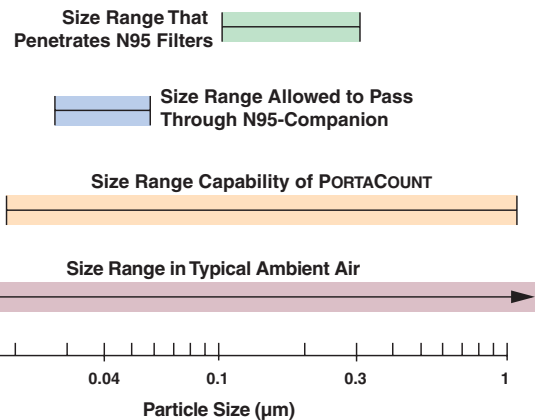
Specifications subject to change without notice.

Licensed under U.S. Patent No. 5,117,190 and other patents from Commissariat a L'Energie Atomique, France.

U.S. Patent No. 6,125,845. Other patents pending.

### How it works

The N95-Companion contains an electrostatic particle classifier. The particle classifier takes advantage of electrostatic charges that exist on ambient particles to strip out a predetermined particle size range of interest from the broad range of sizes present in ambient air. The resulting particles of interest leave the N95-Companion and are transported via flexible tubing to the PORTACOUNT for counting. This permits the PORTACOUNT to use only those particles that are the right size for quantitatively fit testing Series 95 masks. The PORTACOUNT then compares the number of particles outside the mask to the number inside the mask. This ratio of particles counted is the Fit Factor. For a detailed explanation of the theory of operation, see TSI's Application Note ITI-053.



#### TSI Incorporated

500 Cardigan Road, Shoreview, MN 55126 USA

Tel: 651 490 2811 Toll Free: 1 800 874 2811 Fax: 651 490 3824 E-mail: answers@tsi.com

TSI Germany—Tel: +49-241-523030 Fax: +49-241-5230349 E-mail: tsigmbh@tsi.com

TSI Sweden—Tel: +46-8-595-132-30 Fax: +46-8-595-132-39 E-mail: tsiab@tsi.com

TSI United Kingdom—Tel: +44 1275-847837 Fax: +44 1275-842437 E-mail: tsiuk@tsi.com

For current information  
[www.tsi.com](http://www.tsi.com)

