

QUANTIFIT

694000

Selectable Test Model Parameters

Equivalent Fit Factors are calculated from actual measured respirator leak rates, based on the following modelled test parameters which are user selectable.

Inspiratory Work Rate

Measurement of energy expended by test subject in the normal working environment; indicated in thousands of calories per hour (K-Cal/hr). Selections include:
100 (light activity)
200 (moderate activity)
300 (heavy activity) and
350 (extreme activity)

Mask Type

Selections available for full-face or half mask respirator types.

Cartridge Type

Selections for low, medium, or high density cartridge types.

Subject Gender

Selections for male & female test subject are available.

Selection choices affect modeled CNP challenge pressure levels and inspiration volume.

Dynamic Range

Leak Test Measurement
2 – 5000 cc/min
Resolution
0.1 cc/min
Fit Factor Computation
6– 53,000
Resolution
1

Pressure Sensor Parameters

Pressure Range
0-20 inches H₂O
Resolution
0.01 inch H₂O
Accuracy
± 0.25% FS
Over-Pressure Limit
60 inches H₂O
Temperature compensation
15 – 30 Celcius

Instrument Accuracy Challenge Pressure

± 5 %

Leak Rate Measurement

±3% or ±3 cc/min,
(Whichever is greater)

Display

LCD Graphical 128 X 64 Pixels

USB Interface

Dual Type A Ports
Supports Keyboard, HP Inkjet printer, or memory stick

Single Type B Port
For connection to PC

Setup Memory

EEPROM, All Parameters

Data Retention

10 Years w/o Power

RTC

Datalog Memory - Rechargeable Battery

Data Retention

6 Months w/o Power



Technical Specifications

Operating Range

15 to 30 Degrees C

Storage Range

-40 to 60 Degrees C

Construction

Enclosure

Polyethylene Plastic

Chassis: 1/8" Aluminum

Face: Lexan, Back Printed

Size

5.5 x 10 x 15.5 inches / 139.7 x

25.4 x 393.7 mm

Weight

< 7.5 lbs. (3.4 kg)

Connections

Pressure: Quick Connect

Vent

Female Luer

Trigger Button

Phono Jack

Power Source 1

00 -240 VAC, 50/60 Hz

Power Supply Adapter

9 VDC, 5000 mA

Power Consumption

Less than 1000 mA

Certifications

UL, CE, CSA

Warranty

Instrument Coverage: Two-Years

Parts and Labour

Technical Support

enquiries@rsgsafety.com

Standard Accessories

Hard case with roller wheels and retractable handle

USB Keyboard

Power Cord

Trigger Button

Triple Tube Assembly

PC USB Cable

FitTrack Software

Operator's Manual

Optional Accessories

Fit Test Respirator Adapter

USB Printer

Fit Test Card Laminator Kit

Extended Warranty

Prepaid Service Agreement

Optional Respirator Fit Test

FitTrack Software

Adapters:

3M Company

Bacou/Dalloz

Draeger

Glendale

International Safety Inst.

Interspiro

Kemira

Mine Safety Appliances

Moldex

North Safety

Protech

Scott

Sperian (formerly

Survivair)

US Safety

Call us for information on additional respirator manufacturers & models.

Tel: +31181745020

PC Requirements

Pentium 133 MHz or better RAM

64 MB or greater operating System

Windows 2000, XP, or Vista

Digital Interface

USB 2.0 Port

Disc Space: 25MB minimum

Any Windows-compatible printer

