The OHD QuantiFit2

The Industry Leader in Respirator Fit Testing

OHDGLOBAL.com

How it works:

During a fit test, the respirator inlets are capped with test adapters, and the inhalation valves are propped open or removed from the respirator. With the test subject holding his or her breath for no more than ten seconds, the QuantiFit2 then establishes and maintains a controlled negative pressure inside the respirator. Since the respirator inlets are sealed, all sources of leakage into the respirator are through either the face-to-face-piece seal or due to integrity issues. The volume of air drawn out of the respirator by the QuantiFit2 during this short period of time is directly equal to the leak rate into the respirator.

What our Customers Are Saying:

"The ability to manage multiple units with one computer is a game changer."

(County Emergency Management Systems)

"My staff and I spent a lot of time researching the available products for fit testing and chose to use OHD's CNP Technology. This decision was made based off several factors including immediate cost, long term operating costs, customer service, ease of use and training, and the time involved in each actual test. OHD's CNP Technology was the clear winner for our needs."

(Department of Corrections)

"We are big fans of the AutoStart function and the other options to initiate the testing process. Also very impressed with the battery operation."

(State Police)

Proven Accuracy: The OHD QuantiFit2 is a highly specialized instrument which utilizes scientifically proven and patented Controlled Negative Pressure (CNP) technology to directly measure respirator leakage using only air. CNP performs the most accurate fit test available and is recognized globally. It is accepted by OSHA [29 CFR 1910.134] and included in the Canadian Standards [CSA Z94.4-2011], UK HSE Standards [EN132-149 & INDG 479], as well as ANSI Z88.10-2010, ISO 16975, Italian UNI 11719, and NFPA 1404.

Test Anywhere: With patented CNP technology, OHD users can perform fit testing in any environment: outside, inside, dirty environments or clean. As long as air is present, the QuantiFit2 can perform fit testing.

No Consumables or Probing: Unlike older technologies that require particles, wicks, and alcohol solutions, the QuantiFit2 simply needs air for testing. By using air, it increases your ability to test, eliminates the requirement to tediously probe the respirator and removes the ongoing cost of replacing fit testing consumables.

Battery Power: Rechargeable battery packs are available with more than four hours of active run time. Combining this with no requirements for test environment and no use of consumables, means the QuantiFit2 is more portable than any other fit testing equipment on the market. This allows users the freedom to choose where to work, no need to be tethered to an outlet.

Fastest Fit Test: With the OSHA and ISO approved CNP REDON respirator fit test protocol, a test can be performed in as little as two minutes with no waiting period for smokers or after eating as required with older fit test methods.

Ease of Use: The QuantiFit2 takes users through the protocol step-by-step so that there is no guess work and very little time is needed to provide instruction. There is no instrument warm up period to worry about, and the one-minute daily verification ensures that the QuantiFit2 is working within a strict tolerance.

Direct Measurement of Leak: The unit precisely measures leak rate (in cc/min) by determining the exact amount of air that leaks into the respirator during the fit test. Other test methods infer leak, while CNP is the only system that directly measures the leak.

OHD Logic: Revolutionary new software allows users to run countless machines simultaneously (as many machines as you are capable of overseeing) with flexibility on the start time for any test. Standard Bluetooth® allows testing to happen from across the room.

AutoStart: The QuantiFit2 automatically senses when the user has initiated a breath hold and begins the test exercise. This allows for touchless testing and even easier operation. Seamlessly move from one test exercise to the next.

Interactive Troubleshooting: Each test exercise graph is captured for review, which allows users to compare results to example support graphs.

Color Touch Screen Display: Animated instructions guide users through an interactive test experience. Menus are easily navigated with a simple touch.

Multiple Donnings: CNP is the only fit testing technology in the world that uses multiple donnings within the fit test protocol. Multiple donnings ensure that users know how to consistently don the respirator correctly.

QuantiFit2

Choose the unrivaled technology of **QuantiFit2** to **test "Anytime – Anywhere!"**

QuantiFit2 Specifications

- Calibration: NIST Traceable
- Input Voltage: 12VDC, Center Positive, 3A Max
- Power Supply: Universal, 100-240VAC, 50/60Hz 1A Max
- Operating Temperature: 5 to 45C
- Humidity Range: 20 to 80%, Non-Condensing
- Setup Memory: 20GB
- Size: (H) 11 x (W) 4.4 x (D) 15 inches
- Weight: 8.5 lbs
- Touchscreen: Capacitive Touch (800 x 480 pixel display)

Dynamic Range

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

Pressure Sensor – Fit Testing

- Pressure Range: 0-20 in H_2O
- Resolution: 0.01 in H_2O
- Accuracy: ± 0.25% FS
- Over Pressure Limit: 60 in H_2O
- Temperature Compensation: 15-30C

Pressure Sensor – Pump

- Pressure Range: 0-20 PSI
- Resolution: 0.1 PSI
- Accuracy: ± 2.5% FS
- Over Pressure Limit: 60 PSI
- Temperature Compensation: 15-30C

Instrument Accuracy

- Challenge Pressure: ± 5%
- Leak Rate Measurement: ± 3% or ± 3 cc/min (whichever is greater)

USB Interface

- 4 Type A Ports (Keyboard, USB Memory, Printer)
- 1 Type B Port (PC Communication)

Certifications

- UL61010-1/CSA C22.2
- EN 61326-1:2013
- FCC Part 15 Subpart B
- Industry Canada ICES-003 Issue 6

Warranty Instrument Coverage

- Two-Years Parts and Labor
- Accessory Coverage: One Year Parts and Labor.
- Technical Support: No charge phone support to original owner of instrument

+ Lifetime Powertrain Warranty

Standard Accessories

- Hard case with roller wheels, custom insert and retractable handle
- Power Cord, Triple Tube Assembly, PC USB Cable
- OHD Logic Software, Training Video and Operator's Manual on USB Flash Drive

OHD Logic Software

- PC Requirements: 1 GHz or better RAM 1 GB or greater. Port Disc Space 16GB
- Operating System: Windows 10

Optional Accessories

- Fit Test Respirator Adapter, USB Printer, Fit Test Card Laminator Kit, Extended Warranty, Prepaid Service Contract, Battery Packs, Trigger Button