



SIBATA MT-05C

Quantitative Respirator Fit Tester





THE NEW WORLD OF RESPIRATORY FIT TESTING IS HERE

Quantitative respirator fit testing is now easier than ever. The Sibata MT-05C Respirator Fit Tester conforms to CSA Z94.4-11 testing standards and brings a collection of features and benefits never before seen in the Canadian marketplace.

Built with your needs in mind, the Sibata MT-05C Respirator Fit Tester offers a faster, quieter fit testing experience. All tests, including N95 and reusable respirators, can be completed within the 3.5 minute CSA protocol, making the Sibata MT-05C an ideal choice for healthcare, industrial, and first responder respirator users.

ADAPTABLE

The Sibata MT-05C performs on any tight-fitting respirator, including N95s:

- Disposable N, R, P Series 95, 99 or 100 masks
- Half-masks
- Full-facepieces
- CBRN/Gas masks
- Powered air-purifying respirators (PAPRs)
- Self-contained breathing apparatuses (SCBAs)

INTUITIVE

The Sibata MT-05C is completely plug-and-play – just turn it on and you're ready to begin fit testing. Step-by-step guides on the full colour touchscreen display lead you through the latest CSA procedures for QNFT. Test results can then be viewed on the instrument display.

FAST

The shorter test provides the opportunity for scheduling improvements when testing large groups of users. Fit test appointments can now be scheduled closer together resulting in less downtime for your business. For large projects, multiple instruments (up to 4!) can be used together to increase testing efficiency.

ROBUST

Crafted from thin-gauge steel, the Sibata MT-05C is built to last. An integrated carrying handle makes it safe and easy to transport. The entire unit (including mirror) was designed with wipe-down decontamination in mind, and weighs only 3.0 kg (6.6 lbs).

BUILT WITH YOUR NEEDS IN MIND

OPERATING MODES

The Sibata MT-05C offers two modes of operation. Both can be used in standalone mode, or when connected to a PC.

95 MODE

The 95 mode is best suited for testing disposable respirators with a filter efficiency of 95% or less, including N95, R95, P95 filtering facepiece respirators and elastomeric respirators with N95, R95, and P95 filters attached.

99+ MODE

Ideal for fit testing half mask respirators, full facepieces, SCBA, and filtering facepiece respirators with 99 or 100 rated filters. The 99+ mode can also be used for any other respirator that has a filter efficiency of 99% or greater.

FLEXIBLE SET-UP

The Sibata MT-05C Respirator Fit Tester offers two set-up options for more convenient testing - regardless of location.

STANDALONE

When operated in standalone, the Sibata MT-05C requires absolutely no PC connectivity. All test results are conveniently datalogged on the unit's internal memory.

PC MODE

When connected to a PC, the Sibata MT-05C will automatically download and store all test results to your computer.

ADDITIONAL FEATURES

PRE-ENTRY FIT CHECK

You've been fit tested, but are you entering a potentially high hazard area? The Sibata MT-05C features a **Pre-Entry Fit Check** mode that quantifies the respirator's fit in real-time after you've donned your mask. A Fit Check Guide that allows a disposable respirator to be checked for fit as part of your donning procedure is also available.

QUIET OPERATION

The pump on the Sibata MT-05C is extremely quiet and only runs during fit tests, resulting in a quieter, more comfortable experience for the subject. And with the pump only running when needed, it lasts longer and requires less maintenance.





Specifications

Technology: Optical Particle Counting
Fit Factor Method: Particle ratio $C_{\text{out}}/C_{\text{in}}$ as defined in CSA Z94.4-11
Fit Factor Range: 1-10,000
Leakage Range: 0-100%
Flow Rate: 1 L/min
Dimensions: Width: 210mm (8.3"), Depth: 240mm (9.4"), Height: 232mm (9.1")
Weight: 3.0 kg (6.6lbs)
Recommended Particle Generation: Ultrasonic
Power: 100-240VAC
Temperature Range: 0°C - 40°C
Factory Recalibration Interval: Annual
Warranty: Two (2) years from date of purchase
Computer Requirements: Microsoft Windows 7 OS with Service Pack 1, or Windows 8.1, or Windows 10.

- One free USB port required for computer connection.
- Internet connection required to install the software.

Part Numbers

ISTMT05C	The Sibata MT-05C Quantitative Respirator Fit Tester
IFL500PUSHNUT	Probe Kits for Fitting N95 Masks
IST080200085	Fit Check Guides for Non-Intrusive N95 Mask Testing
IBNAC7146	Particle Generator
DS99009	Salt Tablets
IST080200084	Twin Tubes
ISTA80200033	HEPA Filter
IST080200083	Replacement Probe Tool Kit

Calibration

Levitt-Safety now offers calibration and service options for respirator fit test instruments in Canada, including annual calibration, multi-year contracts, and extended warranty programs. For more information or to schedule service, please contact us.