



STE5125M

RF SHIELDED TEST ENCLOSURE | DATA SHEET

High-isolation front-loading RF shielded test enclosure for laboratory, engineering, and production testing. The STE5125M provides a large controlled RF environment for wireless device development, validation, troubleshooting, and manufacturing test applications.

The enclosure combines a front-loading swing-away door, RF absorbent interior, three configurable I/O plates, and passive ventilation. Its increased internal height supports larger devices and test setups while maintaining strong RF isolation.

Key Benefits

- Greater than 95 dB RF isolation at 2.4 GHz and greater than 90 dB at 5.8 GHz
- Large 23.2-inch internal height for larger devices and test setups
- Front-loading swing-away door for convenient DUT access
- 3/4-inch insertion-loss RF absorbent foam liner
- Three I/O plates for application-specific configurations
- 120 mm honeycomb passive ventilation with optional fan cooling

Current Specifications

Specification	STE5125M
Category	Bench Top
Loading style	Front
External dimensions	26.5" W x 26.9" D x 25.0" H
Internal dimensions	23.3" W x 23.5" D x 23.2" H
Isolation at 2.4 GHz	>95 dB
Isolation at 5.8 GHz	>90 dB
RF absorbent foam	3/4 in insertion loss
I/O plates included	3
Included power	None
Included ventilation	120 mm honeycomb vents

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

Concentric Technology Solutions, Inc.

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Concentric Technology Solutions Inc

STE5125M - Features & Configuration

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Standard Features

RF isolation: Greater than 95 dB at 2.4 GHz and greater than 90 dB at 5.8 GHz.

RF absorbent interior: The enclosure uses 3/4-inch insertion-loss RF absorbent foam to help control reflections.

Front-loading access: A swing-away front door provides convenient access to the device under test.

Ventilation: 120 mm honeycomb passive ventilation is standard. Optional 12 VDC, 115 VAC, or 230 VAC fans are available.

RF sealing: An exclusive double-lip RF-tight gasket helps maintain enclosure isolation.

Configuration

The STE5125M starts as a blank enclosure and can be configured around specific RF testing requirements. Three I/O plates support application-specific interfaces. Reflection-loss solutions and an optional security locking latch are also available.

Ramsey notes that final enclosure isolation may vary depending on the interfaces and options selected for the completed configuration.

Typical Applications

- Wireless device development and validation
- Wi-Fi 4, Wi-Fi 5, Wi-Fi 6 and Wi-Fi 6E testing
- Bluetooth and RFID testing
- 3G, 4G and 5G device testing
- RF troubleshooting, tuning and alignment
- Engineering and R&D laboratory testing
- Manufacturing and production testing

Shipping & Warranty

- Approximate shipping weight: 155 lb
- Shipping requirement: Must ship on a pallet
- Warranty: 1 year

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