



### STE5100 – RF Shielded Test Enclosure

The STE5100 enclosure represents a breakthrough in RF shielded enclosure design and value. The enclosure is roomy enough to hold 19" rack sized instruments and provides -110dB of shielding, and enables one to test anywhere in your facility.

The box is constructed of type 304 stainless steel, and lined with microwave absorbent foam. Our unique double lip gasket closure maintains maximum shielding while allowing a full 24" x 18" opening. Heavy-duty hinges and latches plus interior bracing ensures the physical integrity of the enclosure. RF attenuation is -110dB at 1GHz, and -80dB at 18GHz. A 3.5" x 6" precision machined removable 304 stainless steel panel has been integrated into the design of the enclosure. The STE5100 also has our exclusive RF Tight illuminated viewing window.



### RF Shield Box STE5100 Key Benefits

- Wireless device testing
- Perfect for 802.11a, b, g
- Bluetooth, RFID, 3G testing
- Wide variety of I/O options
- Super isolation up to 18GHz
- Stock models to fit your custom applications

### RF Shield Box STE5100 Specifications

- RF tight illuminated viewing window to see device displays and indicators
- Large sturdy stainless steel construction
- Designed for full size and rack mounted equipment testing with visual displays
- Exclusive double lip RF tight gasket

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT PRIOR NOTICE*

Concentric Technology Solutions, Inc.

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# Concentric Technology Solutions Inc

## Testing Solutions for the Wireless Industry

STE5100 RF Shielded Test Enclosure Data Sheet

- Universal I/O connector interface plate
- Isolation:
  - -110dB @ 1GHz
  - -100dB @ 3GHz
  - -95dB @ 6GHz
  - -80dB @ 18GHz
- Dimension:
  - Outside: 19"H x 25"W x 25"D
  - Inside: 17.5"H x 23.5"W x 23.5"D

### Custom Configuration Options

<b>RF FEEDTHROUGH:</b>	BNC, TNC, SMA, SMB, UHF, Type-N
<b>FIBER OPTIC:</b>	Fiber optic bulkhead feedthrough, ST, FC
<b>DUST COVERS:</b>	Dust cover caps with security chains available for all RF feedthrough connectors
<b>RF FILTERED DATA:</b>	DB9 (10pF), DB9 (100pF), DB9 (1000pF), DB15 (100pF), DB15 (1000pF), DB25 (310pF), DB25 (1000pF), DB37 (310pF), DB37 (1000pF), RJ45/DB9 Filtered, RJ11/DB9 Filtered, USB1/DB9 Filtered
<b>POWER CONNECTIONS:</b>	4-Pole filtered barrier strip feed through, 6-Pole filtered barrier strip feed through, internal surge protected power strips (110VAC, 220VAC International)
<b>VENTILATION OPTIONS:</b>	Dual side mounted RF filtered vents with single filtered exhaust muffin fan, passive vent only
<b>RF ABSORBENT FOAM:</b>	Standard 1/2" thick RF absorbent foam liner provides 24dB attenuation. 3/4" thick foam is standard on the STE3800 and available as an option to provide a flatter response
<b>FIBER TRANSCEIVER:</b>	Icron Technologies USB 2.0 Fiber Transceiver System available for devices up to 480 MB/s

*Note: RF Isolation specs are measured at 1M with terminated RF feedthrough coaxial connectors installed. Actual isolation & attenuation can be affected by adding additional filtered and non-filtered connectors. Check with us for specific connector specifications.*

*STE series I/O interfaces, connectors, and options are frequently updated. Check with us for updates.*

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