

Model 5247 Shielded Test Cell Enclosure

Maintenance Recommendations

Finger stock gasket is used around the door for RF shielding. Periodically you must inspect the finger stock to determine if it needs to be cleaned or replaced. Replacement finger stock is available from ETS-Lindgren (part# 890906).



Finger stock gasket,
part# 890906

To clean finger stock, use an aerosol lubricant to loosen any debris, and then low-pressure air or another aerosol to remove the excess lubricant. Alternatively, a soft rag may be used to remove dirt and excess liquid from the finger stock.

Product Information Bulletin

See the ETS-Lindgren *Product Information Bulletin* included with your shipment for the following:

- Safety, regulatory, and other product marking information
- Steps to return a component for service
- Steps to receive your shipment
- ETS-Lindgren calibration service
- ETS-Lindgren contact information

Safety Information



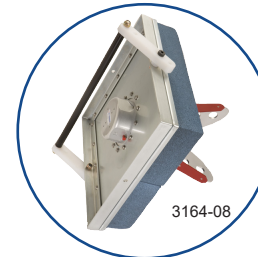
CONTACT ETS-LINDGREN PRIOR TO SERVICING. Servicing (or modifying) the unit by yourself may void your warranty. If you attempt to service the unit by yourself, disconnect all electrical power before starting. There are voltages at many points in the instrument that could, if contacted, cause personal injury. Only trained service personnel should perform adjustments and/or service procedures upon this instrument. Capacitors inside this instrument may still be CHARGED even when instrument is disconnected from its power source.

For complete safety information, see the *Product Information Bulletin*.

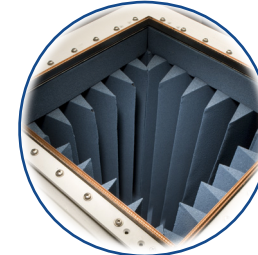


The following views, instructions, and specifications apply to a standard configuration of the **ETS-Lindgren Model 5247 Shielded Test Cell Enclosure**. Components may vary for custom Model 5247 configurations. Contact ETS-Lindgren for questions regarding your configuration.

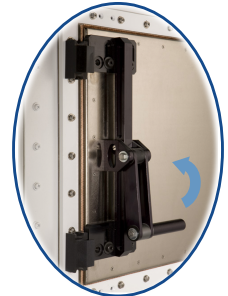
Removable Access & Antenna Mounting Panel



Rotate handle to open



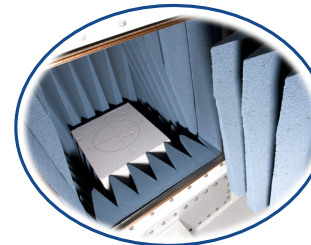
Door
Dual latch
RF gasket



Raise handle to open,
lower to close

Dielectric Platform for EUT

Can be removed;
positioning pins
included for easy
replacement



Connector Panel

- SMA (1)
- Type N (3)
- D-sub 25-pin, filtered (1)
- 6-line fiber optic feedthrough
- AC filter with on/off switch,
- IEC inlet (1), IEC outlet (2)



Before connecting components, read *Safety Information* on the back page of this document.



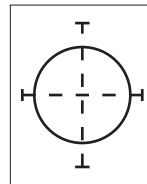
For complete information on the 3164-08 (or other) antenna, see the antenna user manual.

Setup Instructions

1. Connect the antenna cable to the Model 3164-08 Open-Boundary Quad-Ridge Horn antenna.

2. Raise the handle to open the door of the Model 5247.

3. Place Equipment Under Test (EUT) on the dielectric platform inside the Model 5247, and then connect cables as required.



4. (As required by the testing you want to perform) Attach cables to the connector panel on the front of the Model 5247.

5. Connect the power cable to the IEC outlet on the filter.

6. Lower the handle to close the door of the Model 5247.

7. Perform testing as required.



Note: ETS-Lindgren may substitute a similar part with the same functionality for another part.

Shielding Specifications

Attenuation	80 dB, 5 MHz–10 GHz
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Filter Specifications

Current	10 Amps
Voltage	250 / 415 VAC
Insertion Loss	>80 dB, 5 MHz–18 GHz
Operating Frequency*	0 Hz–60 Hz

*Optional antennas may operate in different frequency ranges.

Physical Specifications

Internal (Absorber to Absorber)	Height: 112 cm (44.1 in) Width: 34 cm (13.3 in) Depth: 34 cm (13.3 in)
External	Height: 203.7 cm (80.2 in) Width: 74.9 cm (29.5 in) Depth: 86.3 cm (34 in)
Door Opening	Length: 50 cm (19.7 in) Width: 50 cm (19.7 in)
Antenna to Dielectric Platform	112 cm (44.1 in)
Dielectric Platform	Width: 30 cm (11.8 in) Depth: 38 cm (14.9 in)
Weight	231.3 kg (510 lb)