

TEST ENCLOSURE MODEL 5281



MODEL 5281

- High Performance RF-Shielded Test Enclosure
- Convenient Standard Configurations with Custom Options Available Upon Request
- Ease of Operation in a Portable Format
- High-performance Series 81 Shielding Construction
- Clear Opening RFCD (Radio Frequency Cell Door) with 3 Toggle Action Over Center Draw Latches and Single Buss Bar Uni-handle, Designed to Single Action Open
- Quick Delivery on Standard Models: Available in 4-5 Weeks ARO

ETS-Lindgren's Model 5281 RF-Shielded Test Enclosures are high-performance, portable solutions designed for quick and efficient EMI/RFI testing and repair in production environments. These enclosures offer the same reliable shielding as ETS-Lindgren's full-size models, ensuring effective RF isolation in a compact, format. Ideal for use in both R&D and production testing, the 5281 series provides robust shielding while maintaining portability for easy setup and transport between workstations or testing facilities.

In addition to their portability, these enclosures are built to meet rigorous shielding standards, making them suitable for a wide range of applications, including wireless device testing, component-level EMI troubleshooting, and pre-compliance testing. Each enclosure features intuitive access points for quick installation and removal of devices under test (DUTs), along with customizable options such as RF waveguide vents for ventilation, removable feedthrough panels for power and signal connections, and optional interior lighting.

Custom configurations are also available, offering specialized options like frequency-specific RF coupling devices, automated DUT positioning, and additional shielding enhancements to meet specific testing requirements.

Standard Configuration

- High Performance S81 Shielded Enclosure
- RFCD Door

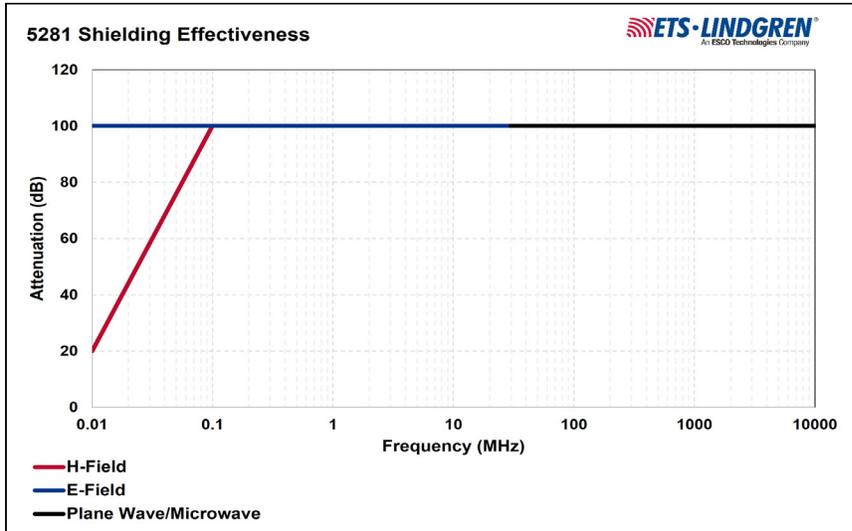
Options

- Custom Size Available
- Electrical Filters for AC and/or DC Inlet
- Absorber or Ferrite Tile RF Anechoic Lining
- RF Waveguide Cooling Vent
- Removable Feed Through Power and Signal Line Panels

Technical Specifications

Performance	
Magnetic Field	56 dB @ 14 KHz; 100 dB @ 100 kHz
Electric Field	100 dB from 14 KHz to 30 MHz
Plane Wave	100 dB @ 30 MHz to 1 GHz
Microwave	100 dB @ 1 GHz to 10 GHz

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Product Configurations

5281-24-LH (RH)

Shielding	Series 81
Nominal OD	660 mm x 660 mm x 660mm (26 in x 26 in x 26 in)
Nominal ID	495mm x 508mm x 495mm (9.5 in x 20 in x 19.5 in)
Nominal Weight	104.5 kg (230 lbs)
Includes	1EA RFCD Door - Opening Dimensions: 457 mm x 457 mm (18 in x 18 in) 57.15 mm (2.25 in) Blue Flex-Sorb Absorber Lining (6-sides) 1EA E-PF205A-30 amp 2 wire power filter with cord 1EA AC Quad receptacle mounted inside 2EA 101.6 mm x 101.6 mm (4 in x 4 in) waveguide air vents 1EA 80 CFM exhaust fan with power cord 1EA Ground Stud 1EA 304.8 mm x 304.8 mm (12 in x 12 in) removable connector panel (blank)

5281-36-LH (RH)

Shielding	24oz. Copper
Nominal OD	890 mm x 890 mm x 890mm (35 in x 35 in x 35 in)
Nominal ID	775mm x 775mm x 775mm (30.5 in x 30.5 in x 30.5 in)
Nominal Weight	204.5 kg (450 lbs)
Includes	1EA RFCD Door - Opening Dimensions: 610 mm x 610 mm (24 in x 24 in) 57.15 mm (2-1/4") Blue Flex-Sorb Absorber Lining (6-sides) 1EA E-PF205A-30 amp 2 wire power filter with cord 1EA AC Quad receptacle mounted inside 2EA 101.6 mm x 101.6 mm (4 in x 4 in) waveguide air vents 1EA 80 CFM exhaust fan with power cord 1EA Ground Stud 1EA 304.8 mm x 304.8 mm (12 in x 12 in) removable connector panel (blank)

* Custom sizes and configurations available upon request.

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Product Options

Filter Connectors

1619814	Connector Plate Only, removable 300 mm x 300 mm (12 in x 12 in)
514016	N Connector, 50 Ohm mounted (requires connector panel)
260465	BNC Connector, 50 Ohm mounted (requires connector panel)
250103	BNC Connector, 50 Ohm mounted (requires connector panel)
255489	BNC Cap & Chain (Requires P/N 250103 BNC Connector sold separately)
250276	SMA Connector, mounted (requires connector panel)
260469	SMA Cap & Chain (Requires P/N 250276 SMA Connector sold separately)
250097	TNC Connector, 50 Ohm mounted (requires connector panel)
254811	N Connector, 75 Ohm mounted (requires connector panel)
250199	BNC Connector, 75 Ohm mounted (requires connector panel)
254709	9 Pin D-Sub Connector - mounted (requires connector panel)
254817	15 Pin D-Sub Connector - mounted (requires connector panel)
155768	15 Pin D-Sub Connector -VGA (requires connector panel)
254810	25 Pin D-Sub Connector - mounted (requires connector panel)
1700201	Ethernet module Gigabit passive interface w/ POE
1700202	USB 3.0 passive interface module
1700203	USB 3.1 passive interface module
1700200	HDMI passive interface module

Waveguide Feed-through

551060	12/7 mm (0.5 in) waveguide feed-through
551061	19 mm (0.75 in) waveguide feed-through
551062	25.4 (1 in) waveguide feed-through
551063	31.75 mm (1.25 in) waveguide feed-through
551064	38.1 mm (1.5 in) waveguide feed-through
551065	50.8 mm (2 in) waveguide feed-through

Fiber Optic Feedthrus

554326	Fiber Optic Feedthru Port - WGF-4
554260	Fiber Optic Feedthru Port - WGF-6
554772	Fiber Optic Feedthru Port - WGF-12

Fiber Optic Converters

261519	10/100 Base-T Fiber Optic Converter
261518	Gigabit Fiber Optic Converter
261523	USB 2.0 Fiber Optic Converter
261512	RS-232 Asynchronous Fiber Optic Converter
261521	Optic Converter (115K Baud)
LMF-4113	USB 2.0 Converter
260367	Foil USB 2.0 Converter- 1 Port Input - 4 Port Output
260366	10/100/1000 Base-T Giga-Foil ETHERNET Converter