

LINDGREN'S TABLE MODEL ENCLOSURE

A PORTABLE CONCEPT IN HIGH PERFORMANCE
EMI/RFI TEST AND REPAIR



*Ease of operation
in a compact,
portable format*

*Optional anechoic
absorber lining for
the interior surface*

*Optional
connector plate for
standard RF bulk-
head penetrations
and connections*

*Fulfills demanding
test requirements
with shielding perfor-
mance of 120 dB+*

*High performance
24 ounce copper
shielding construction*

*Compact size,
with availability in
18" x 18," 24" x 24,"
30" x 30," 36" x 36,"
and custom sizes*

*Maximum
performance
Double Electrically
Isolated (DEI) RF
door with toggle
action over center
draw latches*

The Lindgren™ Table Model Enclosure is a high performance, portable shielded enclosure designed for fast, convenient EMI/RFI testing and verification. Built to the same reliable shielding standards as full size Lindgren enclosures, the Table Model Enclosure provides effective shielding in a compact, easy-to-use format.

The Table Model Enclosure is available in four standard space-saving sizes, including 18" x 18," 24" x 24," 30" x 30," and 36" x 36," as well as in custom sizes to suit any test and repair

environment. An economical 12" x 12" version is also available to meet limited-space or less demanding performance requirements.

On request, the Table Model Enclosure is available in rack-mounted or in-line versions, and may be fully integrated into automated assembly systems.

Applications Designed to meet a variety of demanding testing, QC/QA, and repair requirements calling for shielding performance through 120 dB, the Table Model Enclosure is ideal for wireless, cellular, PCS, radio, cordless, and pager applications.

The Table Model Enclosure may be used in any environment where the equipment under test needs high performance RF shielding, and can be isolated from the operator. Typical applications have included cell-site to cell-site testing, burst electronics applications, RF resistor testing, two-way radio testing, and susceptibility testing.

The in-line version is recommended for applications requiring testing or QC during electronic assembly, production, and manufacturing applications.

Construction The standard Table Model Enclosure is con-

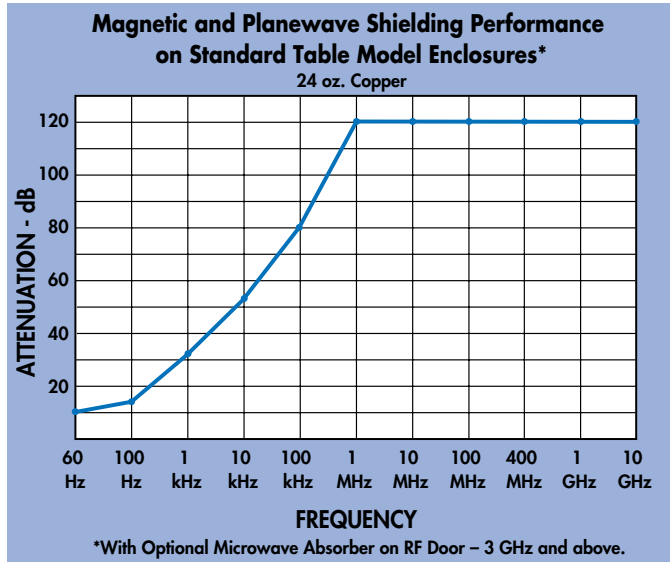
TABLE MODEL ENCLOSURE

- EMI/RFI testing
- EMS testing
- EMC testing
- Cell to cell testing
- Electronic board testing
- Equipment isolation

structured of 24 ounce copper shielding applied to a 3/4" plywood core frame, and soldered at all seams. It includes a ground stud and Lindgren's miniature style Double Electrically Isolated (DEI) RF door, featuring over center draw latches. Like the enclosure, the DEI door provides 120 dB attenuation to ensure maximum shielding performance.

Operation In operation, the product to be tested is simply placed inside the Table Model Enclosure, the door is closed, and the test procedure is conducted.

When using the in-line model, the product to be tested is placed on a pallet which is moved into the enclosure. An automated test sequence may be incorporated, using the



Performance With its exceptional RF attenuation over a wide RF spectrum, a Lindgren Table Model can be used wherever requirements call for precise RF measurements up to 120 dB.



The Table Model features easy access with toggle action over center draw latches.

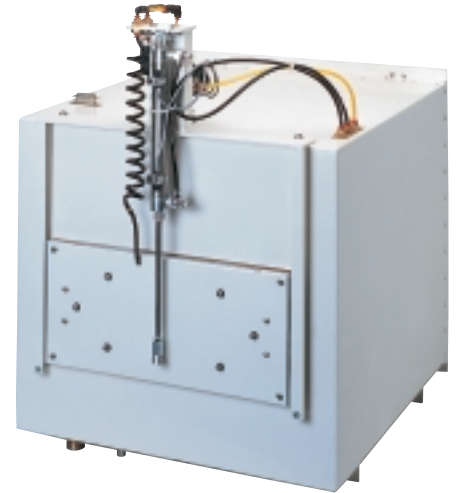
customer's automation system. Once the in-line testing is complete, the door opens, the pallet is ejected, and the sequence is repeated with the next unit. All Table Model Enclosures are shipped completely assembled, ready for immediate use.

Model Variations The Table Model Enclosure is available in four standard table-top formats as well as in rack mounted, in-line, limited-space and custom formats of virtually unlimited design.

The Table Model Enclosure may be equipped with computer



Rack-mounted model.



In-line mounted model.

controlled pneumatic RF doors, and integrated with the customer's automation system. The portability and small footprint allow the enclosure to be used in a permanent location or placed on a cart and moved to the area required. Whatever the requirement, Lindgren's experience with a variety of shielding applications allows the design and manufacture of a Table Model Enclosure to suit unique needs.

Accessories Lindgren offers an array of power line filters, signal filters, RF and sub-miniature D connectors, and waveguide feedthrus for use with the Table Model Enclosure. All available power and signal filters feature 100 dB or greater insertion loss.

Options A few of the options for the Table Model Enclosure include:

- 2 1/4" / 4 1/2" broadband laminated foam absorber lining
- various sizes and configurations
- high performance door upgrade
- exhaust fan for air circulation and heat dissipation
- high performance ferrite tile lining
- waveguide feedthrus
- fiber optic packages
- connector plate allowing the use of standard RF bulkhead penetrations and connections; modifiable for future penetrations as necessary

Warranty Warranties cover parts and labor for 1 year.



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To find out more about the Table Model Enclosure from Lindgren, contact us for specifications and details.

Call or write Lindgren today or visit our website at www.LindgrenRF.com.