

JRE 1724A

RF Shielded Test Enclosure

Slim, rack-shelf-friendly chamber with a wide flat footprint and two D-size I/O plates — room for several flat-form-factor devices at once.



Shown open; two D-size plate positions

AT A GLANCE

- Roomy 5.5 × 15.5 × 22.5 inches inside (140 × 390 × 570 mm) in a wide 17" × 24" footprint just 7" tall
- Excellent isolation: -100 dB DC to 1 GHz, -95 dB to 3 GHz, -85 dB to 6 GHz
- Fits any benchtop or standard sliding 19" rack shelf
- Two removable D-size I/O plates — room for a multitude of connectors, reconfigurable as your test needs change
- Large footprint holds multiple devices at once — handy for batch testing
- Two honeycomb vents, one front and one rear — optional fan for additional airflow
- Welded aluminum with cover stiffeners · optional MW upgrade to 28 GHz

DESCRIPTION

Flat devices that need plenty of I/O are what the JRE 1724A is built for. Its wide, low footprint lets you place several units inside at once — handy for batch testing or any setup where devices share the chamber — and the whole enclosure drops onto a benchtop or slides into a standard 19" rack shelf. Need more height on the same footprint? See the JRE 1724B.

Featuring rugged welded aluminum construction, you can be assured of its tight RF shielding effectiveness. Long-life door gasket material along with our double-edge contact engagement provides solid RF shielding and smooth, trouble-free operation over the life of the chamber. Inside, LS-30 RF

absorbing foam tames reflections and hot-spots so measurements stay clean and repeatable.

Every JRE chamber uses a removable, CNC-machined I/O plate — a design JRE engineers originated over forty years ago. The two D-size plates recess into the chamber wall and do not intrude into your test volume. Because it swap out in the field with a few screws, one 1724A can be reconfigured for many different test setups over its life, using JRE's wide selection of filtered I/O interfaces — USB, Ethernet, power, HDMI and more.

SHIELDING ISOLATION

DC to 1 GHz	-100 dB
to 3 GHz	-95 dB
to 6 GHz	-85 dB

All JRE chambers, and many JRE filtered interfaces, can optionally be ordered with the MW upgrade for operation to 28 GHz at > 85 dB isolation. Contact the factory for details.

DIMENSIONS

Inside	5.5" H × 15.5" W × 22.5" D 140 × 390 × 570 mm
Outside	7" H × 17" W × 24" D 180 × 430 × 610 mm

WEIGHTS & SHIPPING

Weight	22 lb / 10 kg
Shipping weight	28 lb / 12.7 kg
Shipping carton	31" × 22" × 13" 790 × 560 × 330 mm

I/O PLATES & CONNECTORS

Plate size	Two JRE "D" size
Plate opening	4" × 6" (100 × 150 mm) each
Field changeable	Yes
Ventilation	Two vents, front and rear
Rack mounting	19" sliding rack shelf

Test chambers do not include RF connectors or interface filters. Any connection to a device inside the chamber must be suitably filtered to maintain shielding isolation.

FEATURES & BENEFITS

- Double-contact door shields ensure repeatable measurements
- Heavy-duty stainless steel friction hinges; cover stiffeners keep the lid flat
- 3/4" (19 mm) RF absorbing foam; 90 °C rating, UL 94V-0 flammability
- Same footprint with more height — see JRE 1724B

CONFIGURING YOUR CHAMBER

Choose from ready-to-go, in-stock D-size I/O plates with the most common filtered interfaces and connectors and your chamber can ship in just a few days — or have a custom plate designed in about a week. Fans, vents, internal AC power strips and fiber optic connectors can all be accommodated. Use the Configuration Worksheet at jretest.com to organize your requirements.