

JRE 2220A

RF Shielded Test Enclosure

Fast-loading clamshell chamber for larger devices — gas-strut lid, single-handle closure and two C-size I/O plates.



Gas struts hold the clamshell lid open for hands-free loading

AT A GLANCE

- Roomy **13 × 20.5 × 18.5 inches** inside (330 × 520 × 470 mm) in a **22" wide × 20" deep** benchtop footprint
- Excellent isolation: **–100 dB DC to 1 GHz**, **–95 dB to 3 GHz**, **–85 dB to 6 GHz**
- **Gas struts lift and hold the lid open** — hands-free access, with a low entry barrier that speeds loading
- **Single-handle closure** with a soft foam grip for fast, secure closing
- **Piano-style hinge** keeps the lid aligned and sealed RF-tight; dual latches close it down tight
- **Two removable C-size I/O plates** — plenty of connector room, reconfigurable as your test needs change
- Two honeycomb vents — optional fans · optional **MW upgrade** to 28 GHz

DESCRIPTION

For fast chamber entry and testing of larger devices, the JRE 2220A clamshell is the answer. Gas-assisted struts gently lift the lid and hold it up for hands-free access, while a single-handle closure with a soft foam grip closes it fast and secure — exactly what you want on a bench cycling larger units in and out. The two C-size plates leave plenty of room for connector and filtered-interface options. If your devices fit a smaller footprint, the JRE 1522 is the same fast-loading clamshell in a more compact size.

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 C-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 2220A 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	13" H × 20.5" W × 18.5" D 330 × 520 × 470 mm
Outside	14.5" H × 22" W × 20" D 370 × 560 × 510 mm

WEIGHTS & SHIPPING

Weight	35 lb / 16 kg
Shipping weight	42 lb / 19.1 kg
Shipping carton	26" × 26" × 21" 660 × 660 × 535 mm

I/O PLATES & CONNECTORS

Plate size	Two JRE "C" size
Plate opening	7" × 7" (180 × 180 mm) each
Field changeable	Yes
Ventilation	Two honeycomb vents

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
- 3/4" (19 mm) RF absorbing foam; 90 °C rating, UL 94V-0 flammability
- Heavy-duty piano-style hinge gives excellent lid alignment and reduces cover play
- Same fast-loading clamshell in a compact size — see JRE 1522

CONFIGURING YOUR CHAMBER

Choose from ready-to-go, in-stock C-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.