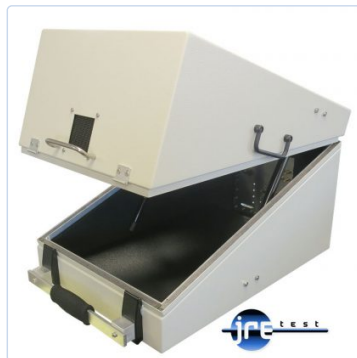


JRE 1522

RF Shielded Test Enclosure

Clamshell benchtop chamber built for fast, repetitive loading — gas-strut lid and a low entry barrier for benches that cycle units in and out all day.



Gas-strut clamshell lid, piano-style hinge

AT A GLANCE

- Roomy **11.5 × 13.5 × 20.5 inches** inside (290 × 340 × 520 mm) in a **15" wide × 22" deep** benchtop footprint
- Excellent isolation: **−100 dB DC to 1 GHz**, **−95 dB to 3 GHz**, **−85 dB to 6 GHz**
- **Gas struts lift the lid and hold it open** — hands-free access, and a low entry barrier that speeds loading
- **Two 80 mm honeycomb vents** standard — optional fan for hot-running products
- **Removable, field-changeable C-size I/O plate** — plenty of connector room, reconfigurable as your test needs change
- Optional **MW upgrade** extends isolation to 28 GHz for 5G FR2, UWB and WiFi 6E/7

DESCRIPTION

For fast enclosure entry and testing, the JRE 1522 sets the standard. Gas-assisted struts lift the lid and keep it up for hands-free access, and the low entry barrier means you are not fighting a deep box on every load — what you want on a production or QA bench where load time adds up over hundreds of cycles.

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 C-size plate plate recesses into the chamber wall and does not intrude into your test volume. Because it swaps out in the field with a few screws, one 1522 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	11.5" H × 13.5" W × 20.5" D 290 × 340 × 520 mm
Outside	13" H × 15" W × 22" D 330 × 380 × 560 mm

WEIGHTS & SHIPPING

Weight	26 lb / 11.8 kg
Shipping weight	32 lb / 14.5 kg
Shipping carton	29" × 20" × 19" 740 × 510 × 485 mm

I/O PLATE & CONNECTORS

Plate size	JRE "C" size
Plate opening	7" × 7" (180 × 180 mm)
Field changeable	Yes
Ventilation	Two 80 mm 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 larger size — see JRE 2220A

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.