

JRE 0814-2R

Dual RF Shielded Test Enclosure

Two fully independent shielded chambers in a single 19" rack space — run a transmitter in one and a receiver in the other, or test two units at once.



Two independent 0814-series chambers, one rack space

AT A GLANCE

- Two fully independent chambers, each with its own door, I/O plate and sealed RF environment
- Roomy 9.5 × 6.5 × 12.5 inches inside (240 × 165 × 320 mm) in **each** enclosure
- Excellent isolation: **−100 dB DC to 1 GHz, −95 dB to 3 GHz, −85 dB to 6 GHz**
- **Standard 19" rack mount** — permanent installation without giving up bench space
- **Removable, field-changeable C-size I/O plate on each enclosure** — two plates total, each configured independently
- Two shielded honeycomb vents per enclosure — optional fans for hot-running products
- Side-swing doors with secure latch handles; keyed locking latch available · optional **MW upgrade** to 28 GHz

DESCRIPTION

Two chambers in one rack space is what makes the JRE 0814-2R different. Each half is a complete 0814-series enclosure with its own door, plate and sealed RF environment, so it is a natural fit for link and over-the-air work with a transmitter in one chamber and a receiver in the other — or simply for doubling throughput by testing two units at once. Need only one? The standalone JRE 0814 is the same enclosure on its own.

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 in each enclosure 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 0814-2R 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, each enclosure	9.5" H × 6.5" W × 12.5" D 240 × 165 × 320 mm
Outside, each enclosure	11" H × 8" W × 14" D 280 × 205 × 355 mm

WEIGHTS & SHIPPING

Weight	34 lb / 15.5 kg
Shipping weight	41 lb / 18.7 kg
Shipping carton	23" × 22" × 18" 585 × 560 × 460 mm

I/O PLATES & CONNECTORS

Plate size	JRE "C" size, one per enclosure
Plate opening	7" × 7" (180 × 180 mm) each
Field changeable	Yes
Ventilation	Two honeycomb vents per enclosure
Rack mounting	19" standard

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
- Stainless steel friction hinges on side-swing doors; keyed locking latch available
- Single-chamber version of the same enclosure — see JRE 0814

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.