

JRE 0912

RF Shielded Test Enclosure

Bench-size chamber with a generous B-size plate and a shielded vent — the middle ground for portable wireless devices that need real I/O.



Shown with populated I/O plate for illustration

AT A GLANCE

- Roomy 5.75 × 7.75 × 10.75 inches inside (145 × 200 × 275 mm) in a compact 9" wide × 12" deep package
- Excellent isolation: –100 dB DC to 1 GHz, –95 dB to 3 GHz, –85 dB to 6 GHz
- Shielded honeycomb vent keeps things cool while maintaining shielding effectiveness
- Generous B-size I/O plate (4.5" × 7") handles most any test configuration
- Removable and field-changeable as your test needs change
- Top-loading lid with rugged stainless steel friction hinges
- Optional MW upgrade extends isolation to 28 GHz for 5G FR2, UWB and WiFi 6E/7

DESCRIPTION

Medium-sized but with a large I/O plate for most any test configuration, and a standard honeycomb vent to keep things cool. Containing all the capability of our larger enclosures, the JRE 0912 is ideal for small wireless devices — cell phones, WiFi dongles, small routers, Bluetooth and BLE modules, RFID tags and similar gear. For over-the-air WiFi and Bluetooth work, pair it with a JRE test antenna such as the ANT-245.

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 B-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 0912 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	5.75" H × 7.75" W × 10.75" D
	145 × 200 × 275 mm
Outside	7" H × 9" W × 12" D
	180 × 230 × 305 mm

WEIGHTS & SHIPPING

Weight	8 lb / 3.6 kg
Shipping weight	10 lb / 4.6 kg
Shipping carton	16" × 12" × 11"
	410 × 305 × 280 mm

I/O PLATE & CONNECTORS

Plate size	JRE "B" size
Plate opening	4.5" × 7" (115 × 180 mm)
Field changeable	Yes
Ventilation	Honeycomb vent

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 hold the lid steady
- 3/4" (19 mm) RF absorbing foam; 90 °C rating, UL 94V-0 flammability
- Honeycomb vent maintains shielding across the full frequency range

CONFIGURING YOUR CHAMBER

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