

JRE 0709-P

RF Shielded Test Enclosure

Our smallest chamber with a removable I/O plate — built for the small wireless devices that fill the modern bench, and light enough to carry between them.



Shown with populated I/O plate for illustration

AT A GLANCE

- Roomy 3.5 × 6 × 8.5 inches inside (90 × 150 × 215 mm) in a package just 7.25" wide × 9.75" deep
- Light and portable at 5 lb — grab it and go bench to bench
- Excellent isolation: -100 dB DC to 1 GHz, -95 dB to 3 GHz, -85 dB to 6 GHz
- Purpose-built for Bluetooth and BLE modules, RFID and UWB tags, key fobs, cellular dongles and wearables
- Removable, field-changeable A-size I/O plate — reconfigurable as your test needs change
- Top-loading lid with dual stainless steel friction hinges — stays put wherever you set it
- Optional MW upgrade extends isolation to 28 GHz for 5G FR2, UWB and WiFi 6E/7

DESCRIPTION

The JRE 0709-P packs all the shielding capability of our larger enclosures into a compact, portable footprint. If you are testing cell phones, WiFi dongles, RFID and key-fob devices, or any of the small RF gadgets that fill our world today, this is the chamber that fits both the device and the bench.

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 A-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 0709-P 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	3.375" H × 6" W × 8.5" D 85 × 150 × 215 mm
Outside	4.625" H × 7.25" W × 9.75" D 115 × 185 × 250 mm

WEIGHTS & SHIPPING

Weight	5 lb / 2.3 kg
Shipping weight	6 lb / 2.7 kg
Shipping carton	13" × 10" × 9" 330 × 255 × 230 mm

I/O PLATE & CONNECTORS

Plate size	JRE "A" size
Field changeable	Yes

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
- 1/2" (13 mm) RF absorbing foam; 90 °C rating, UL 94V-0 flammability
- Dual heavy-duty stainless steel friction hinges hold the lid steady
- Wide choice of RF connectors, filtered interfaces and fiber feedthroughs

CONFIGURING YOUR CHAMBER

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