

JRE 1729A

RF Shielded Test Enclosure

Long, deep benchtop chamber with a gas-strut cover — 27.5 inches of interior depth for extended devices or several units end to end.



Dual adjustable cover latches; gas-strut cover door

AT A GLANCE

- Roomy 7.5 × 15.5 × 27.5 inches inside (190 × 390 × 700 mm) — a notably long format in a 17" wide × 29" deep package
- Excellent isolation: -100 dB DC to 1 GHz, -95 dB to 3 GHz, -85 dB to 6 GHz
- 27.5" of interior depth — room for extended devices, cable assemblies or several units arranged end to end
- Gas struts assist the cover door and hold it open in place for easy access
- Two removable D-size I/O plates for maximum connector capability, reconfigurable as your test needs change
- Dual cover latches, adjustable for wear, plus triple hinges for secure closure
- Two honeycomb vents — optional fan · optional MW upgrade to 28 GHz

DESCRIPTION

At 27.5 inches deep, the long interior is the JRE 1729A's standout — room for extended devices, cable assemblies, or several units arranged end to end. A large entry door with gas struts holds itself open while you place the device under test, and dual cover latches, adjustable to compensate for wear, keep closure tight over the years. Need a wider rather than deeper footprint? See the JRE 1724A.

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 D-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 1729A 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	7.5" H × 15.5" W × 27.5" D 190 × 390 × 700 mm
Outside	9" H × 17" W × 29" D 225 × 430 × 735 mm

WEIGHTS & SHIPPING

Weight	27 lb / 12.3 kg
Shipping weight	33 lb / 15 kg
Shipping carton	33" × 21" × 13" 840 × 535 × 330 mm

I/O PLATES & CONNECTORS

Plate size	Two JRE "D" size
Plate opening	4" × 6" (100 × 150 mm) each
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 cover latches, adjustable for wear, assure tight RF isolation
- Wider rather than deeper footprint on the same D-size plates — see JRE 1724A

CONFIGURING YOUR CHAMBER

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