

JRE 2233

RF Shielded Test Enclosure

Extra-large chamber with two C-size I/O plates and an entry ramp — for tall devices that need maximum connector capability.



Quad hinges and quad latches on a single-handle door

AT A GLANCE

- Roomy 28.5 × 20.5 × 31.5 inches inside (725 × 520 × 800 mm) in a 22" wide × 33" deep package
- Excellent isolation: -100 dB DC to 1 GHz, -95 dB to 3 GHz, -85 dB to 6 GHz
- 28.5" of interior height, with an entry ramp that makes loading heavy devices easy and keeps the door aligned
- Two removable C-size I/O plates for maximum connector capability, reconfigurable as your test needs change
- Quad hinges and quad door latches on a single-handle assembly for a tight, repeatable RF seal
- Two honeycomb vents — optional twin 80 mm fans for ventilation; keyed locking latch available
- Optional MW upgrade extends isolation to 28 GHz for 5G FR2, UWB and WiFi 6E/7

DESCRIPTION

Have a tall device that also demands plenty of I/O? The JRE 2233 pairs an extra-large interior with two C-size plates, so there is room for most any mix of connectors and filtered interfaces. An entry ramp eases loading and keeps the door in alignment, while quadruple latches on a single-handle assembly close it down tight, test after test. Need the largest chamber we make? The JRE 3036 holds entire computer systems.

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 C-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 2233 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	28.5" H × 20.5" W × 31.5" D 725 × 520 × 800 mm
Outside	30" H × 22" W × 33" D 760 × 560 × 840 mm

WEIGHTS & SHIPPING

Weight	70 lb / 31.8 kg
Shipping weight	140 lb / 63.6 kg
Shipping carton	49" × 41" × 36" 1245 × 1040 × 915 mm

I/O PLATES & CONNECTORS

Plate size	Two JRE "C" size
Plate opening	7" × 7" (180 × 180 mm) each
Field changeable	Yes
Ventilation	Two 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 quad stainless steel hinges reduce door play; entry ramp holds alignment
- Optional twin 80 mm fans; keyed locking latch available

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.