

JRE 1720

RF Shielded Test Enclosure

Upright chamber for I/O-intensive tests of tall devices — 22.5 inches of interior height, two full C-size plates, and optional 19" rack rails.



Single-handle door, 3-point engagement

AT A GLANCE

- Roomy 22.5 × 15.5 × 18.5 inches inside (570 × 390 × 470 mm) in a 17" wide × 20" deep upright package
- Excellent isolation: -100 dB DC to 1 GHz, -95 dB to 3 GHz, -85 dB to 6 GHz
- Two removable C-size I/O plates — a huge amount of I/O, reconfigurable as your test needs change
- Optional rack-mounting side rails drop it into any standard 19" rack
- JRE-exclusive single-handle door operation with 3-point engagement; keyed locking latch available
- Honeycomb vents in the rear and door — optional fans · optional MW upgrade to 28 GHz

DESCRIPTION

Tall devices that also need plenty of I/O are what the JRE 1720 is built for. With 22.5 inches of interior height and two large C-size plates, it swallows upright equipment — base stations, racked gear stood on end, tall DUTs — with room for the connectors and interfaces they need. Optional side rails drop it into a standard 19" rack; if you do not need the height, the JRE 1714 has the same two plates in a lower-profile rack unit.

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 1720 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	22.5" H × 15.5" W × 18.5" D 570 × 390 × 470 mm
Outside	24" H × 17" W × 20" D 610 × 430 × 510 mm

WEIGHTS & SHIPPING

Weight	41 lb / 18.6 kg
Shipping weight	49 lb / 22.3 kg
Shipping carton	29" × 29" × 22" 740 × 740 × 560 mm

I/O PLATES & CONNECTORS

Plate size	Two JRE "C" size
Plate opening	7" × 7" (180 × 180 mm) each
Field changeable	Yes
Ventilation	Honeycomb vents, rear and door
Rack mounting	19" standard, optional rails

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
- Single-handle door closing with 3-point engagement; four heavy-duty stainless hinges
- Key lock secures the door and the devices inside

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.