

JRE 0709-4TERM

Pre-Configured RF Shielded Test Enclosure

Our compact 0709 chamber with a 4-terminal power and signal filtered interface already fitted and tested — ready to ship, and ready to test the day it lands.



Ships with the 4-terminal power and signal interface installed

AT A GLANCE

- **Ready to test out of the box** — the JRE filtered 4-terminal strip filtered interface and two SMA feedthroughs are installed, wired and final-tested at the factory
- **Filtered four-terminal barrier strip** — land bare wire for power, control or sensor lines, no connector to design around
- **Rated for real working loads: 20 A and up to 250 VAC / 100 VDC**
- **Excellent isolation: -100 dB DC to 1 GHz, -95 dB to 3 GHz, -85 dB to 6 GHz**
- **Roomy 3.25 × 6 × 8.5 inches** inside (90 × 150 × 215 mm) and **light at 5 lb** — grab it and go bench to bench
- **Two SMA female bulkheads** with tethered dust caps for antennas or instrumentation
- **Adjustable latch** ensures tight RF shielding · optional **MW upgrade** to 28 GHz

DESCRIPTION

The pre-configured 0709 chambers give you the performance of the larger JRE enclosures at an entry-level price, by offering the configurations customers ask for most and building them in quantity. The JRE 0709-4TERM is the one for devices needing general wired power or signal connections: it arrives wired, final-tested and ready for the bench, with no plate to specify and no wait.

The fitted four-terminal strip is the general-purpose answer for anything that is not a standard data connector — DC supplies, control lines, sensor and instrumentation leads. Each line is filtered so the wire passes through the

chamber wall without opening an RF leak, and the strip carries up to 20 A at up to 250 VAC or 100 VDC, so it handles power as readily as signals.

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.

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.

FITTED INTERFACE — JRE FILTERED 4-TERMINAL STRIP

Terminals	4, filtered
Current	20 A max
Voltage	250 VAC / 100 VDC max
Connection	Barrier terminal strip

For eight independently filtered signal lines on removable screw terminals, see the JRE UFI-1.

DIMENSIONS & WEIGHTS

Inside	3.25" H × 6" W × 8.5" D 90 × 150 × 215 mm
Outside	4.5" H × 7.25" W × 9.75" D 115 × 185 × 250 mm
Weight	5 lb / 2.3 kg
Shipping weight	6 lb / 2.7 kg

I/O PLATE & CONNECTORS

Plate size	JRE "A" size, factory-populated
Filtered interface	JRE filtered 4-terminal strip
RF feedthroughs	Two SMA female bulkheads
Connector covers	Dust caps, tethered

Additional or different interfaces can be fitted — contact the factory.

FEATURES & BENEFITS

- Double-contact door shields ensure repeatable measurements
- Heavy-duty stainless steel friction hinge holds the lid steady
- 1/2" (13 mm) RF absorbing foam; 90 °C rating, UL 94V-0 flammability
- Two SMA female bulkhead feedthroughs with tethered dust caps

CONFIGURING YOUR CHAMBER

Need a different mix of interfaces? The JRE 0709-P is the same chamber with an empty, field-changeable A-size plate, ready for any combination from JRE's line of filtered interfaces — USB, Ethernet, power, HDMI and more. Use the Configuration Worksheet at jretest.com to organize your requirements.