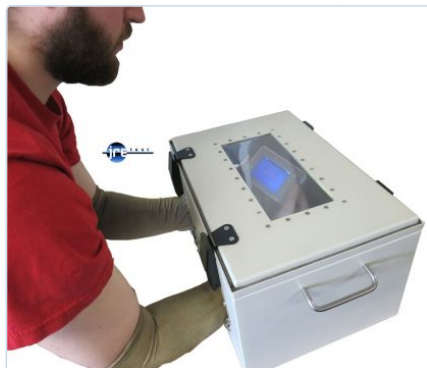


JRE 1812WS

RF Shielded Test Enclosure with Window and Sleeves

See the device and handle it with bare hands, without breaking the shield — patented conductive sleeves and a patented high-transmission RF window.



Patented window and hand-entry sleeves in use

AT A GLANCE

- Patented sleeve design gives unimpeded hand entry — bare hands inside, no clumsy gloves and no shorting hazard against the device
- Patented high-performance window — over 70 dB shielding at better than 70% light transmission
- Bright white LED lighting, about 350 lumens, on a rechargeable Li-Ion pack — no wiring, filtering or I/O plate space used
- Roomy 8 × 16.5 × 10.5 inches inside (205 × 420 × 270 mm) in an 18" wide × 12" deep package
- Isolation with window and sleeves: -80 dB to 1 GHz, -75 dB to 3 GHz, -70 dB to 6 GHz
- Removable, field-changeable B-size I/O plate
- Dual latches ensure tight RF shielding; rugged welded aluminum construction

DESCRIPTION

When you need to reach in and work on the device rather than just seal it away, the JRE 1812WS is the answer. Arms slip through Spandex-style conductive sleeves, leaving your hands free inside, while the patented window lets you see what you are doing. It is the JRE 1812 interior with hands and eyes added.

Both the window and the hand-entry design are patented. The window is a lamination of conductive PET layers with novel grounding, giving over 70 dB of shielding while still passing better than 70% of the light through it. Interior lighting is about 350 lumens of bright white LED, powered by a

rechargeable Li-Ion pack with the charger included — no external power, no filtering, and no space taken on the I/O plate.

Featuring rugged welded aluminum construction, you can be assured of its tight RF shielding effectiveness. Long-life door gasket material with our double-edge contact engagement gives solid shielding and smooth operation over the life of the chamber. Inside, RF absorbing foam tames reflections, and the removable B-size plate accepts JRE's full range of filtered interfaces.

SHIELDING ISOLATION

DC to 1 GHz	-80 dB
to 3 GHz	-75 dB
to 6 GHz	-70 dB

Rated with the window and hand-entry sleeves in place. For a sealed chamber of the same interior at -100/-95/-85 dB, see the JRE 1812.

WINDOW, SLEEVES & LIGHTING

Window shielding	> 70 dB
Light transmission	> 70%
LED illumination	~350 lumens
LED power	Rechargeable Li-Ion, charger incl.
Hand entry	Conductive sleeves, bare hands

DIMENSIONS & WEIGHTS

Inside	8" H × 16.5" W × 10.5" D
	205 × 420 × 270 mm
Outside	8.5" H × 18" W × 12" D
	250 × 460 × 305 mm
Weight	18 lb / 8.2 kg
Shipping weight	20 lb / 9.1 kg

I/O PLATE & CONNECTORS

Plate size	JRE "B" size
Plate opening	4.5" × 7" (115 × 180 mm)
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
- 3/4" (19 mm) RF absorbing foam; 90 °C rating, UL 94V-0 flammability
- Heavy-duty stainless steel friction hinge holds the lid steady
- Sealed version of the same chamber without window or sleeves — see JRE 1812

PATENTS AND CONFIGURATION

The hand-entry chamber and the RF shielded window are both covered by US patents (US 8,294,044 and US 9,497,894). Choose from ready-to-go, in-stock B-size I/O plates and your chamber can ship in days — or have a custom plate designed in about a week.