

IG-190R-46U

The IG-190R-46U built especially for using in rack enclosures. The product is ready to install in the rack enclosures and can be removed and transferred easily. As you can learn from the product name, it's fit at 46U at the rack 19'.

The IG-190R-46U design for testing any wireless transmission such as: Wi-Fi, Bluetooth, RFID, 3G, WLAN, GPS and WiMAX.

It may also be used for cell-site testing, RF resistor testing and two-way radio testing.



Features

- Fast, reliable EMI/RFI testing and verification, while providing 100% effective shielding of 90dBm minimum attenuation tested as per as MIL-STD-285D up to 8GHz and more
- Fit into rack 19'
- High performance construction of Aluminum and copper EMC shielding with ROHs compliant welding and RAL 9010 STD coating.
- Manual operation with front loading, four door along for easy access with two handle opened per door, latch locking action.
- Shielding tested under lab conditions with signal generator by spectrum analyzer and conforming antenna. Manufacturer's C.O.A. and test results included.
- For multi UUT's tests
- Custom-made product adaptable to any application
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Accessories

- Double 90X90 Honey-comb air vent
- Exhaust fan
- 4 SMA connectors
- Filtered terminal 220VAC max 16 Amp
- AC power supply plug in + cord cable
- 4 Outlet 120VAC/15A
- Filtered terminal 50VDC max 20 Amp
- DC Plug in
- RF absorbent foam liner
- Double lip RF sealing
- Grounding Point
- Internal illumination
- Rack 19' shelf

Optional Accessories

- Anechoic absorber lining for the interior surface
- Custom IO's panel with any filtered connectors you may need.
- Waveguide for optic fibers
- RF shielded observation window
- Additional in-port/out-port systems
- Extra custom-made requirements

IG-190R-46U

Dimensions – Outside

Length - 47cm
Depth - 57cm
Height - 46U

Dimensions – Inside

Length - 45cm
Width - 55cm
Height - 198cm

Materials

Body - Aluminum
Door – Aluminum
Frames – SAE 1020
brackets – SAE 1020
FAN – Rubber, sponge and plastic
Gaskets – Rubber, sponge and plastic

Opening system

Manual operation
front loading
Two handle opened per door
Four doors
Latch locking action
RF sealing set

Electric system

220 VAC max 16 Amp
outlet power strip 220 VAC
External power cable 220 VAC + plug
100VDC filter 20amp with easy to use plug in.
Interrail lightning

Air vents

EMI shielded windows (honeycomb)
AC fans 90x90 - 40 CFM, magnetic -
bearing, silence

IO's plate

Filtered SMA x4

Internal RF absorber

Internal surfaces covering with RF
absorber foam

Attenuation level

0.1GHz – 1.0GHz > 90dB
1.0GHz – 3.0GHz > 90dB
3.0GHz – 6.0GHz > 80dB

Quality

Testing according to MIL-STD 285
A C.O.A will attach to each box.
Final Attenuation level will set as per
as the weak chosen connector
Warranty – one year from delivering