

# IG-190R-14U

The **IG-190R-14U** is 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 14U at the rack 19'.

The **IG-190R-14U** 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 6GHz
- 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, two handle opened door, latch locking action.
- Shielding tested under lab conditions with signal generator by spectrum analyzer and conforming antenna. Manufacturer's C.O.T. and test results included.
- For medium UUT's
- Custom-made product adaptable to any application

### 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

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## Technical Data

190R-14U	
Dimensions – External	Dimensions – Internal
Width: 43cm	Width: 37cm
Depth: 57cm*	Depth: 47cm*
Hight: 67cm	Hight: 24cm
(Does not include rack mounted shelf)	
*Depth can be varied to the customer's request	
Material	Opening System
Body: Aluminum	Manual operation
Door: Aluminum	Front loading
Frames: SAE 1020	Two handle opened door
Brackets: SAE 1020	Latch locking action
Fan: Rubber, Sponge and Plastic	RF sealing set
Gaskets: Rubber, Sponge and Plastic	
Electric system	Air vents
220 VAC max 16 Amp	EMI shielded windows (honeycomb)
4 outlet power strip 220 VAC	AC fan 90x90 - 40 CFM, magnetic - bearing, silence
External power cable 220 VAC + plug	
100VDC filter 20amp with easy-to-use plug in.	
Interrail lightning	
IO's plate	Internal RF absorber
Filtered SMA x4	24 db , internal surfaces covering with RF absorber foam
Attenuation level	Quality
0.1GHz – 1.0GHz > 90dB	Testing according to MIL-STD 285
1.0GHz – 3.0GHz > 90dB	A C.O.A will be attached to each box.
3.0GHz – 6.0GHz > 90dB	Final Attenuation level will set as per as the weak chosen connector
	Warranty – one year from delivering



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Technical Drawing

