IG-190R-4U

igos·MN LTD.
RF Shielding

The **IG-190R-4U** 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 4U drawer at the rack 19'.

The **IG-190R-4U** 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 85dBm minimum attenuation tested as per as IEEE Std 299-2006 up to 12GHz.
- Design especially for multiple usages.
- Fit into rack 19".
- Can be used as vertical/horizontal desk unit.
- Combining two products together, you will get a divided working station that can be used as a desk unit or fit into a rack 19'.
- High performance construction steel and copper EMC shielding with RoHS compliant welding and RAL 9010 STD coating.
- User-Friendly, compact design, and lightweight.
- Shielding tested under lab conditions with signal generator by spectrum analyzer and conforming antenna.
- Manufacturer's C.O.T. and test results included.
- For small-medium UUT's
- Custom-made product adaptable to any application.

Accessories

- 40X40 Honey-comb air vent
- SMA or other connectors
- Filtered terminal 50VDC max 20 Amp
- Grounding Point
- RF absorbent foam liner
- Double lip RF sealing
- Rack 19" shelf

Optional Accessories

- Custom IO's panel with any filtered connectors you may need.
- Waveguide for optic fibers
- RF shielded observation window
- Internal illumination
- Additional in-port/out-port connectors
- Extra custom-made requirements

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Technical Data

190R-4U	
Dimensions – External	**Dimensions – Internal**
Width: 48cm	Width: 37cm
Depth: 60cm*	Depth: 46cm*
Hight: 16cm	Hight: 12cm
*Depth can be varied to the customer's request	
Material	**Opening System**
Body: Aluminum	Manual operation
Door: Aluminum	Top loading
Frames: SAE 1020	Toggle 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	
50VDC filter 20amp with easy-to-use plug in.	
internal lightning	
IO's plate	**Internal RF absorber**
Filtered SMA x4	24 db, internal surfaces covering with RF absorber foam
Attenuation level	**Quality**
0.1GHz – 3.0GHz > 85dB	Testing according to IEEE Std 299-2006
3.0GHz – 6.0GHz > 85dB	A C.O.A will be attached to each box.
6.0GHz – 12.0GHz > 80dB	Final Attenuation level will set as per as the weak chosen connector
	Warranty – one year from delivering