

# IG-514E

## IG-514E Shielding enclosure.

The chamber height is 220 cm, with one easy manual door. Full shielding cabinet - high attenuation performance on range of frequency.

IG-514E design for testing any wireless transmission such as: Wi-Fi, Bluetooth, RFID, 3G / 4G /5G, WLAN, GPS and WiMAX.

It may also be used for cell-site testing, RF resistor testing. Connected / Over the air / Sensitivity tests.



## Features

- Fast, reliable EMI/RFI testing and verification, while providing 100% effective shielding of 120dBm minimum attenuation tested as per as
- MIL-STD-285D up to 6GHz
- High performance construction of SAE 1020 and copper EMC shielding with ROHs compliant welding and RAL 9010 STD coating.
- Manual operation with front loading, big handle opened door.
- Shielding tested under lab conditions with signal generator by spectrum analyzer and conforming antenna. Manufacturer's C.O.T. and test results included.
- For large UUT's.
- Shelves inside.
- Custom-made product adaptable to any application..

## Accessories

- 3x Honey-comb vent windows 265X265 mm
- Exhaust fan
- SMA / Ntype / BNC and other connectors
- Filtered terminal 220VAC max 32 Amp
- AC power supply plug in + cord cable
- Filtered terminal 50VDC max 20 Amp
- DC Plug in
- RF absorbent foam liner or by choice
- Double lip RF sealing
- Grounding Point
- RF filters by request .

## Optional Accessories

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

## IG-514E

### Dimensions – Outside

Length - 80cm

Width - 80cm

Height - 220cm

### Dimensions – Inside

Length - 76 cm

Width - 76 cm

Height - 216 cm

### Materials

Body - SAE 1020

Door – SAE 1020

Frames – SAE 1020

brackets – SAE 1020

FAN – Rubber, sponge and plastic

Gaskets – Rubber, sponge and plastic

### Opening system

Manual operation

Front loading

Door, side open

RF Shielding Door

### Electric system

220 VAC max 16 Amp

4 outlet power strip 220 VAC

External power cable 220 VAC + plug

100VDC filter 20amp with easy to use plug in.

Interrail lightning

### Air vents

3x EMI shielded honeycomb 265x265

8x AC fan 80x80 - 40 CFM, magnetic -

bearing, silence

### IO's plate

SMA / Ntype / BNC / Ftype connetors

Fiber optic and RF filters

### Internal RF absorber

24 db , internal surfaces covering with

RF absorber foam

### Attenuation level

0.1GHz – 1.0GHz > 120dB

1.0GHz – 3.0GHz > 120dB

3.0GHz – 6.0GHz > 120dB

### 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