

# IG-316E

The IG-316E design with modular structure, for assemble at the lab location.

The IG-316E has been developed for measurement & testing and provides high attenuation level..

The chamber design for testing any wireless transmission such as:

Wi-Fi, Bluetooth, RFID, 3G,4G,5G, WLAN, GPS, WiMAX, Radar and mmW.

It may also be used for cell-site testing, RF resistor testing and two-way radio testing or OTA 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 40GHz
- 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
- Custom-made product adaptable to any application..

## Accessories

- Double Honey-comb vent windows 260X260 mm
- Exhaust fan
- 4 SMA connectors
- Filtered terminal 220VAC max 32 Amp
- AC power supply plug in + cord cable
- 4 Outlet 120VAC/15A
- Filtered terminal 50VDC max 20 Amp
- DC Plug in
- Double lip RF sealing
- Grounding Point
- Internal illumination

## Optional Accessories

- Anechoic absorber lining for the interior surface
- Pyramid Absorber by Spec.
- Custom IO's panel with any filtered connectors.
- Waveguide for optic fibers
- RF shielded observation window
- Additional in-port/out-port systems
- Extra custom-made requirement

## IG-316E

### Dimensions – Outside

Length - 150cm  
Width - 150cm  
Height - 100cm

### Dimensions – Inside

Length - 146cm  
Width - 146cm  
Height - 96cm

### 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  
1 door, side open  
Torque special locking system  
RF sealing set

### 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

2x EMI shielded honeycomb 260x260  
4x AC fan 800x80 - 40 CFM, magnetic - bearing, silence

### IO's plate

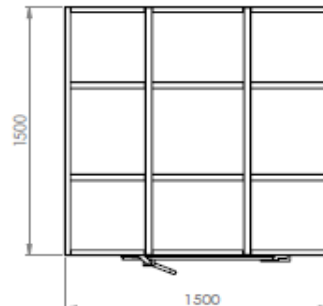
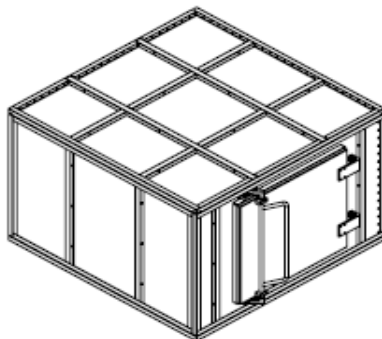
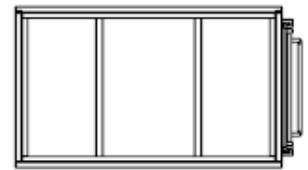
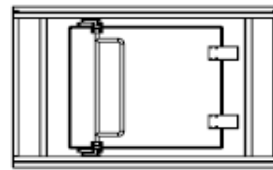
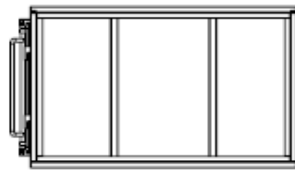
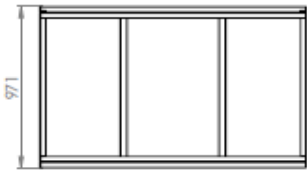
Filtered SMA x4  
Any RF filter / adaptor by Spec

### Internal RF absorber

24 db , internal surfaces covering with RF absorber foam

### 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



Details:  
Weight: 150 Kg  
Material: SAE 1020  
Door Opening: 80cmX67cm  
IO panels: TBD