

# IG-640B

IG-640B is one of the most common chambers utilized by Israeli high-tech laboratories. The chamber lends itself to a variety of uses at the working area, and allowed the user a large flexibility.

The IG-640B box 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
- 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

## 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-640B

### Dimensions – Outside

Length - 60cm  
Width - 50cm  
Height - 40cm

### Dimensions – Inside

Length - 58cm  
Width - 48cm  
Height - 38cm

### 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 door  
Latch locking action  
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

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

### IO's plate

Filtered SMA x4

### Internal RF absorber

24 db , internal surfaces covering with  
RF absorber foam

### Attenuation level

0.1GHz – 1.0GHz > 85dB  
1.0GHz – 3.0GHz > 75dB  
3.0GHz – 6.0GHz > 75dB

### 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

