

IG-550B

IG-550B 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-550B** 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 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
- Grounding Point
- RF absorbent foam liner
- Double lip RF sealing.
- Internal illumination

Optional Accessories

- Anechoic absorber lining for the interior surface
- Custom IO's panel.
- Waveguide for optic fibers
- RF shielded observation window
- Additional in-port/out-port system
- Extra custom-made requirements

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Technical Data

IG-550B	
Dimensions - External	Dimensions - Internal
Width: 57cm	Width: 47cm
Depth: 53cm	Depth: 47cm
Hight: 46cm	Hight: 37cm
Material	Opening System
Body: Aluminum	Manual operation
Door: Aluminum	Front loading
Frames: SAE 1020	Two handle open 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 lighting	
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

- Layout and dimension drawings will be supplied on demand

